

Data Path : Z:\VOASRV\HPCHEM1\MSVOA_U\DATA\U101118\
 Data File : VU027584.D
 Acq On : 11 Oct 2018 09:08
 Operator : MD/SY
 Sample : VSTDIC020
 Misc : 5.0mL/MSVOA_U/WATER
 ALS Vial : 4 Sample Multiplier: 1

Instrument :
 MSVOA_U
 ClientSampleId :
 VSTDIC020

Manual Integrations
 APPROVED

MMDadoda
 10/16/2018 2:22:49 PM

Quant Time: Oct 12 09:31:35 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	4.98	168	115872	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	5.89	114	195372	50.00	ug/l	0.00
63) Chlorobenzene-d5	9.09	117	178540	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	11.48	152	86328	50.00	ug/l	0.00

System Monitoring Compounds

33) 1,2-Dichloroethane-d4	5.31	65	35901	18.55	ug/l	0.00
Spiked Amount	50.000		Recovery	=	37.10%	
35) Dibromofluoromethane	4.89	113	25878	19.33	ug/l	0.00
Spiked Amount	50.000		Recovery	=	38.66%	
50) Toluene-d8	7.57	98	99676	19.89	ug/l	0.00
Spiked Amount	50.000		Recovery	=	39.78%	
62) 4-Bromofluorobenzene	10.31	95	34397	18.47	ug/l	0.00
Spiked Amount	50.000		Recovery	=	36.94%	

Target Compounds

						Qvalue
2) Dichlorodifluoromethane	1.21	85	24995	14.96	ug/l	98
3) Chloromethane	1.33	50	38604	17.07	ug/l	99
4) Vinyl Chloride	1.40	62	37746	17.75	ug/l	99
5) Bromomethane	1.62	94	19370	21.06	ug/l	99
6) Chloroethane	1.70	64	22086	17.29	ug/l	98
7) Trichlorofluoromethane	1.89	101	41692	19.33	ug/l	100
8) Diethyl Ether	2.11	74	19879	20.01	ug/l	95
9) 1,1,2-Trichlorotrifluoroet	2.29	101	25552	20.40	ug/l	98
10) Methyl Iodide	2.41	142	22873	25.08	ug/l	98
11) Tert butyl alcohol	2.83	59	43366	106.43	ug/l	98
12) 1,1-Dichloroethene	2.28	96	24456	19.98	ug/l	98
13) Acrolein	2.20	56	34255	100.19	ug/l	99
14) Allyl chloride	2.59	41	54129	18.62	ug/l	98
15) Acrylonitrile	2.94	53	108955	102.74	ug/l	99
16) Acetone	2.32	43	107626	94.16	ug/l	98
17) Carbon Disulfide	2.48	76	81878	18.55	ug/l	100
18) Methyl Acetate	2.62	43	56737	21.76	ug/l	98
19) Methyl tert-butyl Ether	3.00	73	93819	19.13	ug/l	98
20) Methylene Chloride	2.70	84	30551	19.19	ug/l	96
21) trans-1,2-Dichloroethene	2.98	96	26570	19.34	ug/l	94
22) Diisopropyl ether	3.58	45	116332	19.69	ug/l	96
23) Vinyl Acetate	3.53	43	489696	94.92	ug/l	100
24) 1,1-Dichloroethane	3.45	63	59927	19.73	ug/l	99
25) 2-Butanone	4.27	43	159705	102.46	ug/l	98
26) 2,2-Dichloropropane	4.23	77	47265	18.94	ug/l	100
27) cis-1,2-Dichloroethene	4.23	96	29765	18.94	ug/l	99
28) Bromochloromethane	4.55	49	27578	18.82	ug/l	100
29) Tetrahydrofuran	4.64	42	103651	105.52	ug/l	100
30) Chloroform	4.68	83	53351	19.77	ug/l	97
31) Cyclohexane	5.00	56	57632	16.23	ug/l	96
32) 1,1,1-Trichloroethane	4.92	97	45838	20.17	ug/l	96
36) 1,1-Dichloropropene	5.14	75	40416	19.05	ug/l	99
37) Ethyl Acetate	4.39	43	57749	21.06	ug/l	100
38) Carbon Tetrachloride	5.14	117	38456	20.07	ug/l	98

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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
39) Methylcyclohexane	6.42	83	44360	17.89	ug/l	95
40) Benzene	5.39	78	122274	19.79	ug/l	100
41) Methacrylonitrile	4.55	41	30885	19.93	ug/l	97
42) 1,2-Dichloroethane	5.41	62	46645	20.34	ug/l	100
43) Isopropyl Acetate	5.55	43	87376	20.52	ug/l	99
44) Trichloroethene	6.19	130	26665	19.35	ug/l	94
45) 1,2-Dichloropropane	6.44	63	35206	19.75	ug/l	98
46) Dibromomethane	6.56	93	20892	20.76	ug/l	99
47) Bromodichloromethane	6.76	83	41289	19.77	ug/l	98
48) Methyl methacrylate	6.63	41	42798	20.21	ug/l	100
49) 1,4-Dioxane	6.61	88	16616	456.08	ug/l	97
51) 4-Methyl-2-Pentanone	7.46	43	291201	105.25	ug/l	100
52) Toluene	7.64	92	72320	19.77	ug/l	99
53) t-1,3-Dichloropropene	7.88	75	46869	19.14	ug/l	98
54) cis-1,3-Dichloropropene	7.27	75	52118	19.80	ug/l	99
55) 1,1,2-Trichloroethane	8.07	97	29820	20.56	ug/l	97
56) Ethyl methacrylate	8.02	69	46483	19.32	ug/l	99
57) 1,3-Dichloropropane	8.24	76	55742	19.80	ug/l	100
58) 2-Chloroethyl Vinyl ether	7.13	63	137567	102.33	ug/l	99
59) 2-Hexanone	8.36	43	225693	105.15	ug/l	100
60) Dibromochloromethane	8.48	129	29278	20.13	ug/l	100
61) 1,2-Dibromoethane	8.59	107	30890	20.04	ug/l	98
64) Tetrachloroethene	8.23	164	23331	20.99	ug/l	97
65) Chlorobenzene	9.12	112	74379	19.79	ug/l	99
66) 1,1,1,2-Tetrachloroethane	9.21	131	26242	20.23	ug/l	99
67) Ethyl Benzene	9.25	91	130556	19.61	ug/l	98
68) m/p-Xylenes	9.38	106	97846	40.17	ug/l	99
69) o-Xylene	9.78	106	46642	20.15	ug/l	99
70) Styrene	9.79	104	77669	20.44	ug/l	99
71) Bromoform	9.96	173	21086	20.20	ug/l #	99
73) Isopropylbenzene	10.17	105	126271	20.14	ug/l	100
74) N-amyl acetate	10.02	43	72044	20.07	ug/l	100
75) 1,1,2,2-Tetrachloroethane	10.46	83	50324	20.44	ug/l	99
76) 1,2,3-Trichloropropane	10.49	75	47043m	21.02	ug/l	
77) Bromobenzene	10.45	156	29268	20.09	ug/l	98
78) n-propylbenzene	10.59	91	151566	20.12	ug/l	99
79) 2-Chlorotoluene	10.66	91	91507	20.12	ug/l	100
80) 1,3,5-Trimethylbenzene	10.77	105	105106	20.59	ug/l	100
81) trans-1,4-Dichloro-2-buten	10.51	75	17218m	20.14	ug/l	
82) 4-Chlorotoluene	10.77	91	101857	19.73	ug/l	98
83) tert-Butylbenzene	11.10	119	99513	20.17	ug/l	99
84) 1,2,4-Trimethylbenzene	11.15	105	107786	20.67	ug/l	99
85) sec-Butylbenzene	11.32	105	123508	19.86	ug/l	100
86) p-Isopropyltoluene	11.48	119	106764	20.05	ug/l	99
87) 1,3-Dichlorobenzene	11.42	146	54395	19.71	ug/l	100
88) 1,4-Dichlorobenzene	11.51	146	54900	19.47	ug/l	98
89) n-Butylbenzene	11.89	91	94305	18.99	ug/l	100
90) Hexachloroethane	12.15	117	19836	19.77	ug/l	98
91) 1,2-Dichlorobenzene	11.88	146	54379	20.25	ug/l	99
92) 1,2-Dibromo-3-Chloropropan	12.66	75	11547	21.16	ug/l	99

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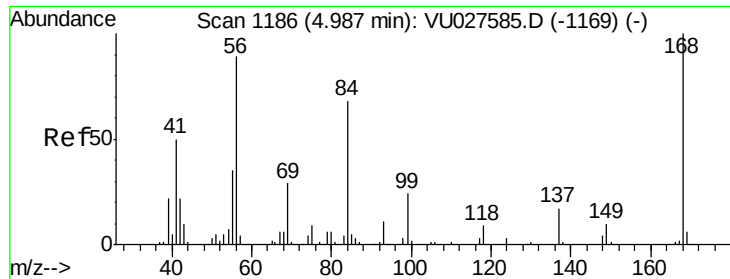
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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
93) 1,2,4-Trichlorobenzene	13.50	180	33891	19.50	ug/l	99
94) Hexachlorobutadiene	13.69	225	17749	20.21	ug/l	98
95) Naphthalene	13.75	128	119262	20.47	ug/l	99
96) 1,2,3-Trichlorobenzene	13.99	180	36348	20.08	ug/l	98

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



#1

Pentafluorobenzene

Concen: 50.00 ug/l

RT: 4.98 min Scan# 1185

Delta R.T. -0.00 min

Lab File: VU027584.D

Acq: 11 Oct 2018 09:08

Instrument :

MSVOA_U

ClientSampleId :

VSTDIC020

Tgt Ion: 168 Resp: 115872

Ion Ratio Lower Upper

168 100

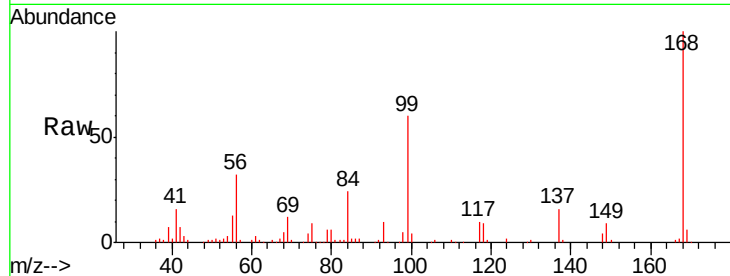
99 59.0 50.8 76.2

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) (-)

4.98

50000

40000

30000

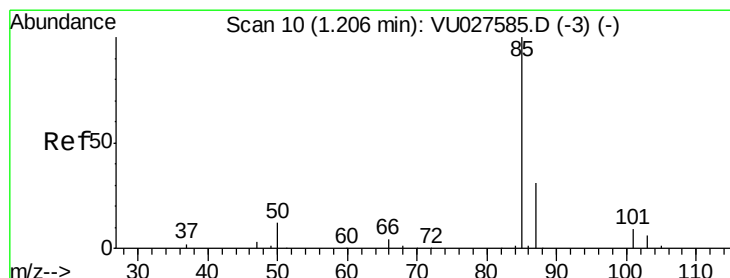
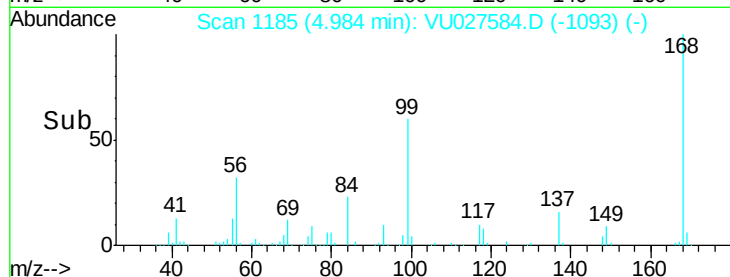
20000

10000

0

Time-->

4.90 5.00 5.10



#2

Dichlorodifluoromethane

Concen: 14.96 ug/l

RT: 1.21 min Scan# 10

Delta R.T. -0.00 min

Lab File: VU027584.D

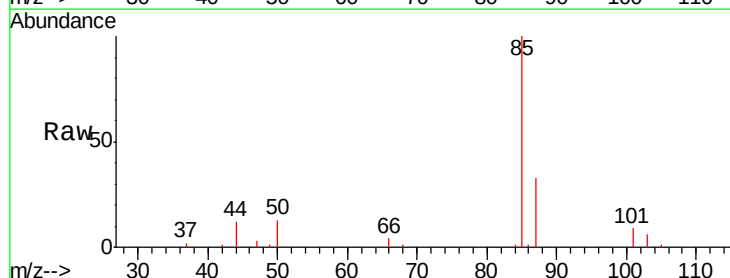
Acq: 11 Oct 2018 09:08

Tgt Ion: 85 Resp: 24995

Ion Ratio Lower Upper

85 100

87 32.6 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

30000

25000

20000

15000

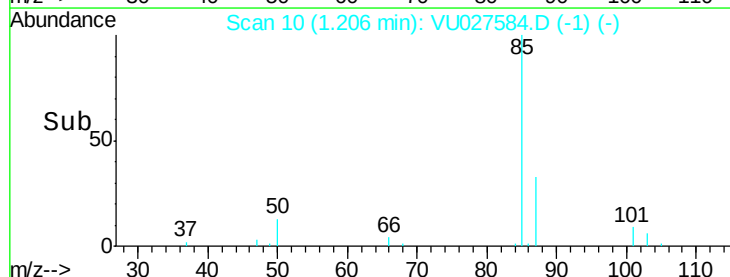
10000

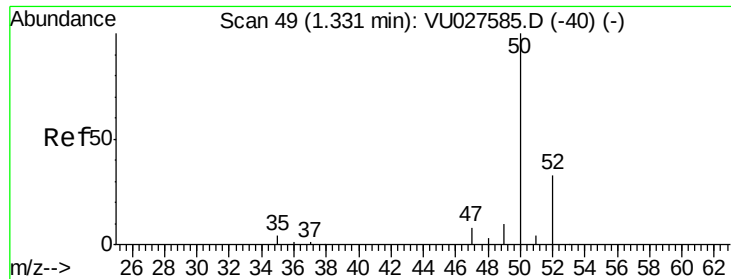
5000

0

Time-->

1.15 1.20 1.25





#3

Chloromethane

Concen: 17.07 ug/l

RT: 1.33 min Scan# 48

Delta R.T. -0.00 min

Lab File: VU027584.D

Acq: 11 Oct 2018 09:08

Instrument :

MSVOA_U

ClientSampleId :

VSTDIC020

Tgt Ion: 50 Resp: 38604

Ion Ratio Lower Upper

50 100

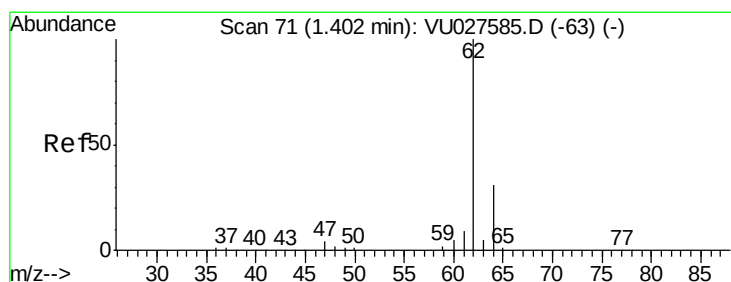
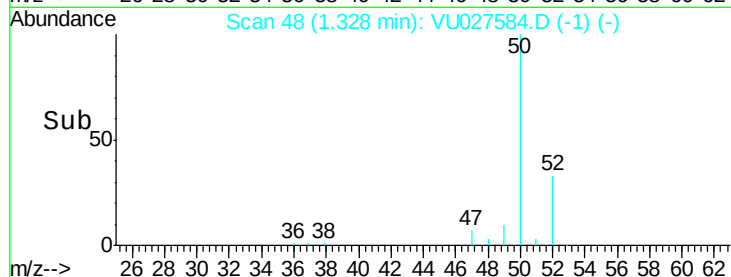
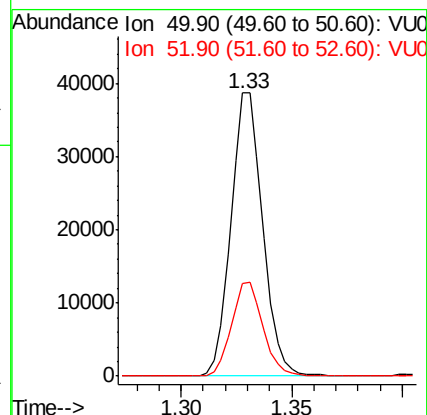
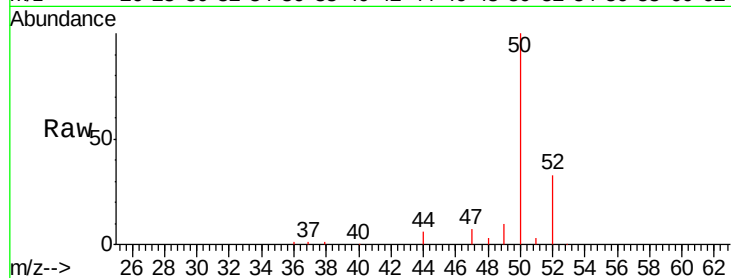
52 32.8 26.5 39.7

Manual Integrations

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10/16/2018 2:22:49 PM



#4

Vinyl Chloride

Concen: 17.75 ug/l

RT: 1.40 min Scan# 71

Delta R.T. -0.00 min

Lab File: VU027584.D

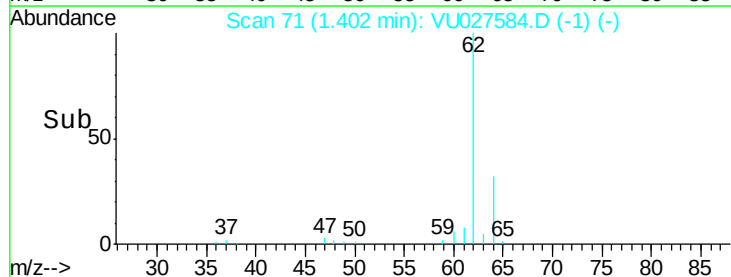
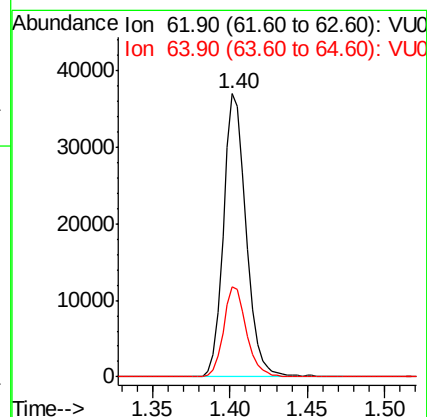
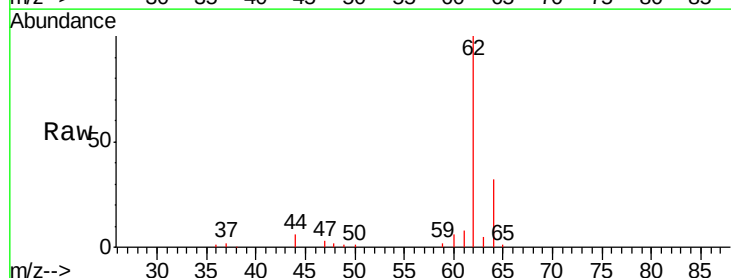
Acq: 11 Oct 2018 09:08

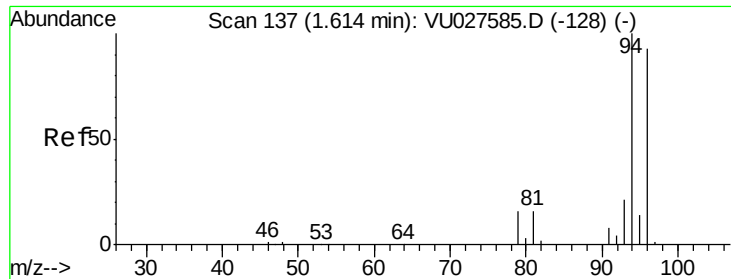
Tgt Ion: 62 Resp: 37746

Ion Ratio Lower Upper

62 100

64 31.9 24.9 37.3





#5

Bromomethane

Concen: 21.06 ug/l

RT: 1.62 min Scan# 140

Delta R.T. 0.01 min

Lab File: VU027584.D

Acq: 11 Oct 2018 09:08

Instrument :

MSVOA_U

ClientSampleId :

VSTDIC020

Tgt Ion: 94 Resp: 19370

Ion Ratio Lower Upper

94 100

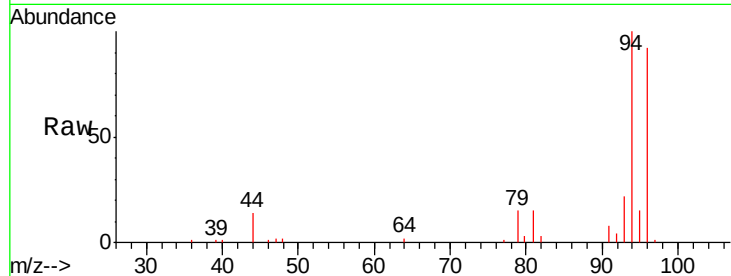
96 92.2 74.6 111.8

Manual Integrations

APPROVED

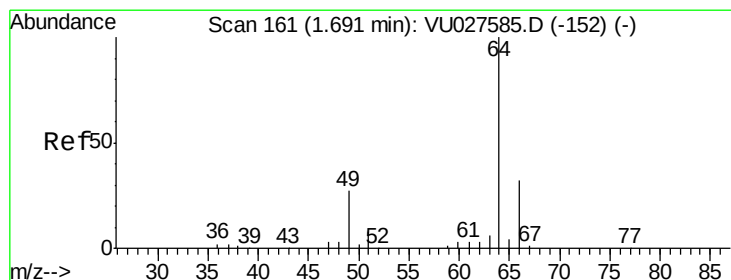
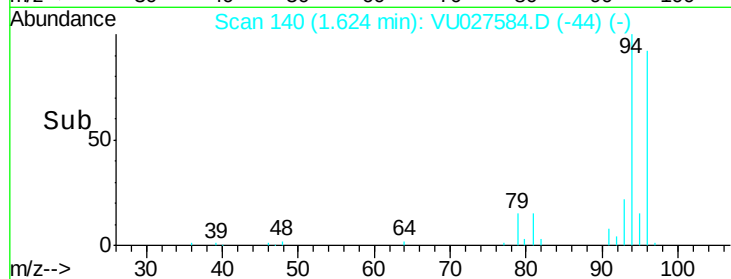
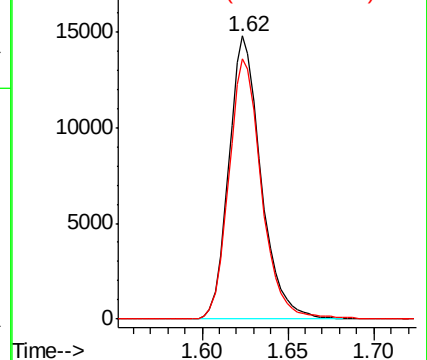
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10/16/2018 2:22:49 PM



Abundance Ion 93.90 (93.60 to 94.60): VU0

Ion 95.90 (95.60 to 96.60): VU0



#6

Chloroethane

Concen: 17.29 ug/l

RT: 1.70 min Scan# 163

Delta R.T. 0.01 min

Lab File: VU027584.D

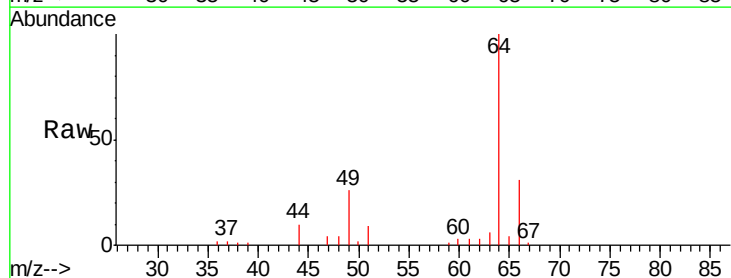
Acq: 11 Oct 2018 09:08

Tgt Ion: 64 Resp: 22086

Ion Ratio Lower Upper

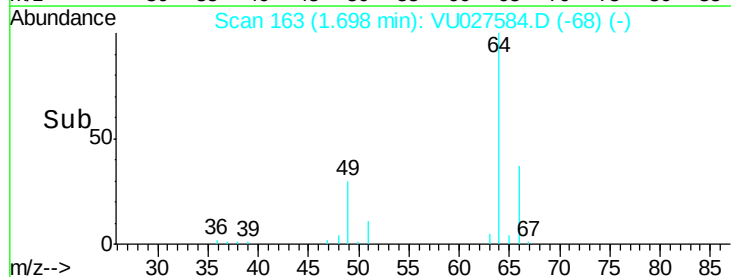
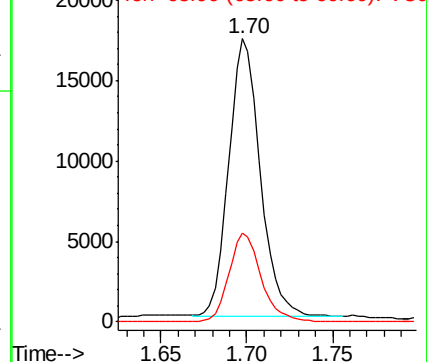
64 100

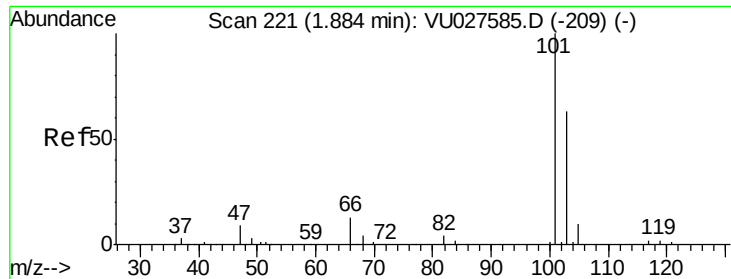
66 32.0 24.6 36.8



Abundance Ion 63.90 (63.60 to 64.60): VU0

Ion 65.90 (65.60 to 66.60): VU0





#7

Trichlorofluoromethane

Concen: 19.33 ug/l

RT: 1.89 min Scan# 222

Delta R.T. 0.00 min

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Tgt Ion: 101 Resp: 41692

Ion Ratio Lower Upper

101 100

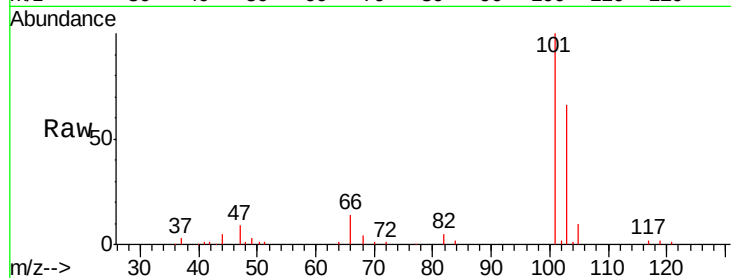
103 65.9 52.6 78.8

Manual Integrations

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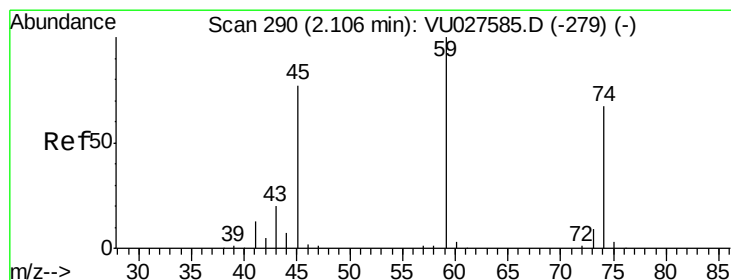
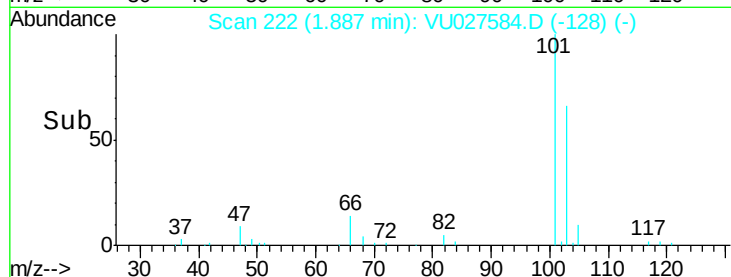
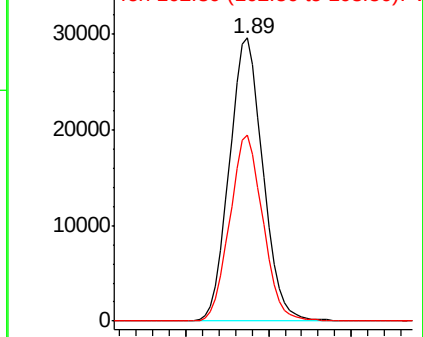
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Abundance Ion 100.90 (100.60 to 101.60): V

Ion 102.80 (102.50 to 103.50): V



#8

Diethyl Ether

Concen: 20.01 ug/l

RT: 2.11 min Scan# 290

Delta R.T. -0.00 min

Lab File: VU027584.D

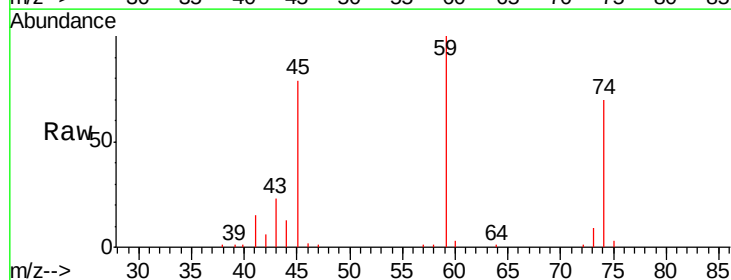
Acq: 11 Oct 2018 09:08

Tgt Ion: 74 Resp: 19879

Ion Ratio Lower Upper

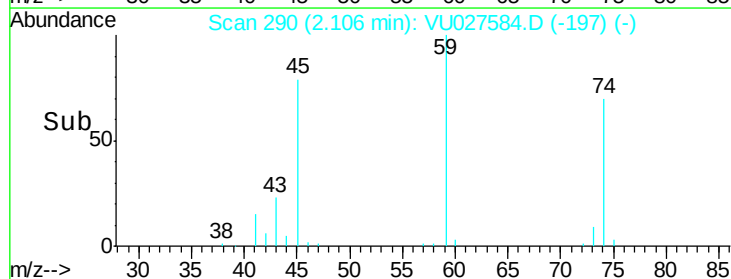
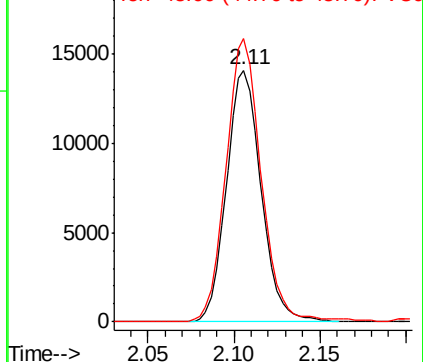
74 100

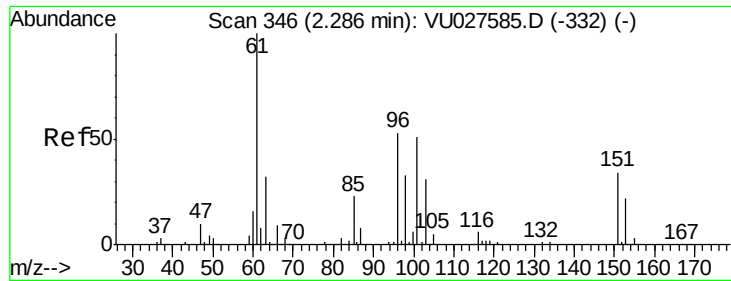
45 114.7 60.4 181.1



Abundance Ion 74.00 (73.70 to 74.70): VU0

Ion 45.00 (44.70 to 45.70): VU0





#9

1,1,2-Trichlorotrifluoroethane

Concen: 20.40 ug/l

RT: 2.29 min Scan# 346

Delta R.T. -0.00 min

Lab File: VU027584.D

Acq: 11 Oct 2018 09:08

Instrument :

MSVOA_U

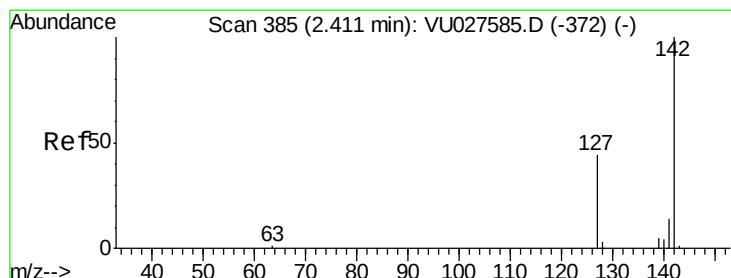
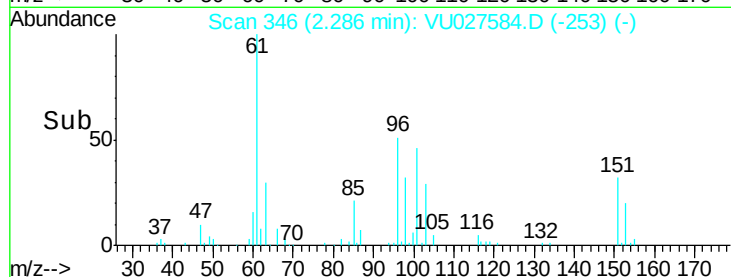
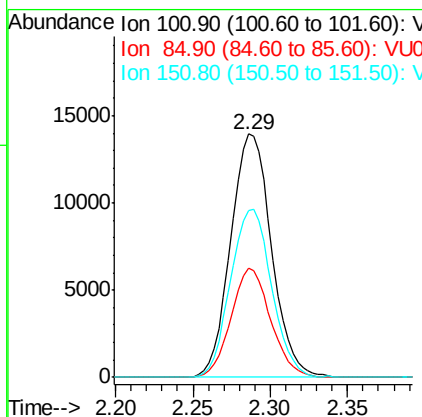
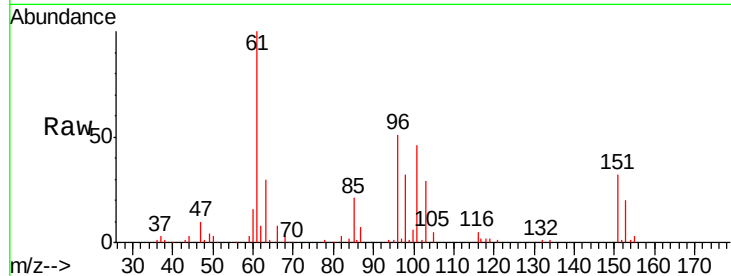
ClientSampleId :

VSTDIC020

Tgt Ion:	101	Resp:	25552
Ion Ratio	Lower	Upper	
101	100		
85	43.5	37.5	56.3
151	69.6	55.6	83.4

Manual Integrations
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#10

Methyl Iodide

Concen: 25.08 ug/l

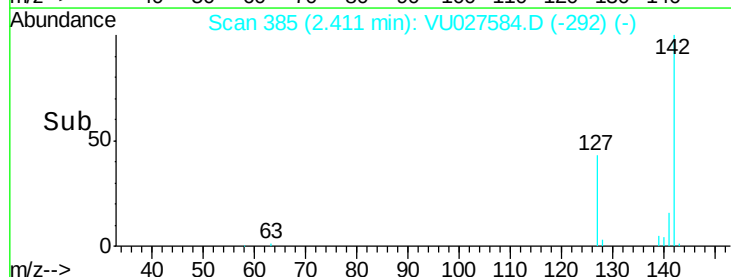
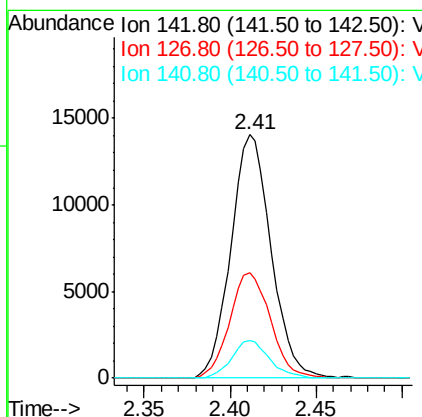
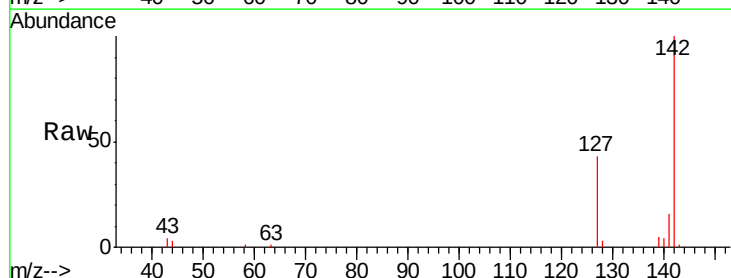
RT: 2.41 min Scan# 385

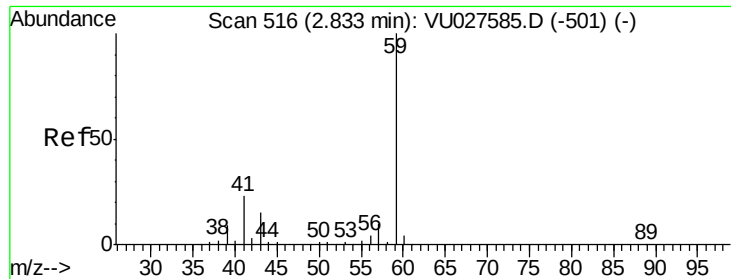
Delta R.T. -0.00 min

Lab File: VU027584.D

Acq: 11 Oct 2018 09:08

Tgt Ion:	142	Resp:	22873
Ion Ratio	Lower	Upper	
142	100		
127	43.8	36.3	54.5
141	14.5	11.6	17.4





#11

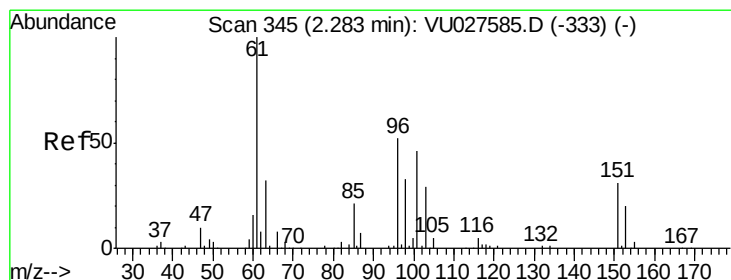
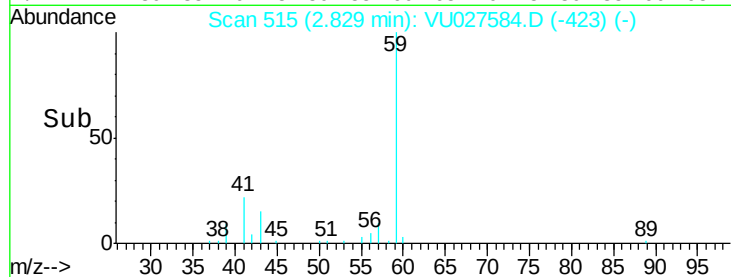
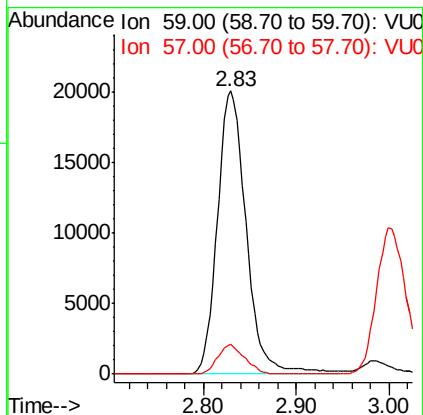
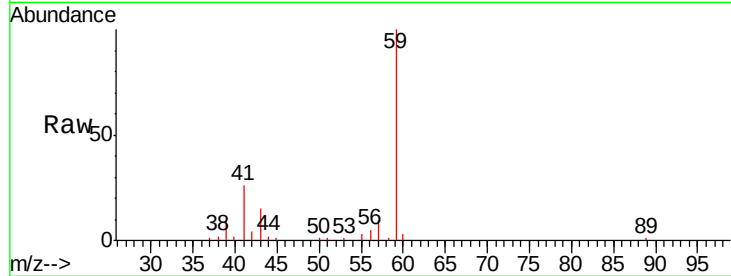
Tert butyl alcohol
Concen: 106.43 ug/l
RT: 2.83 min Scan# 515
Delta R.T. -0.00 min
Lab File: VU027584.D
Acq: 11 Oct 2018 09:08

Instrument :
MSVOA_U
ClientSampleId :
VSTDIC020

Tgt Ion	Ratio	Resp	Lower	Upper
59	100	43366		
57	9.8		8.4	12.6

Manual Integrations
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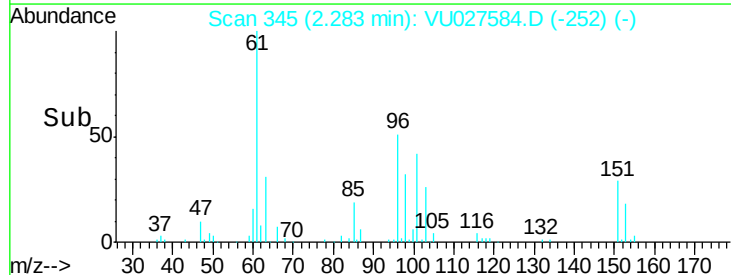
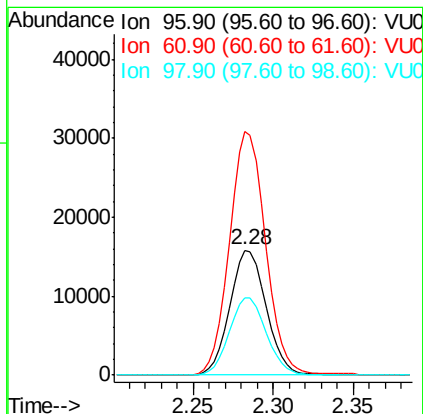
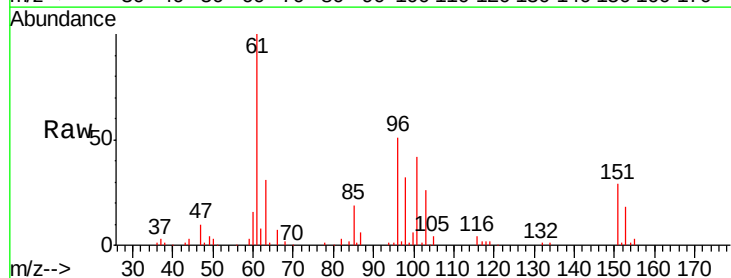
MMDadoda
10/16/2018 2:22:49 PM

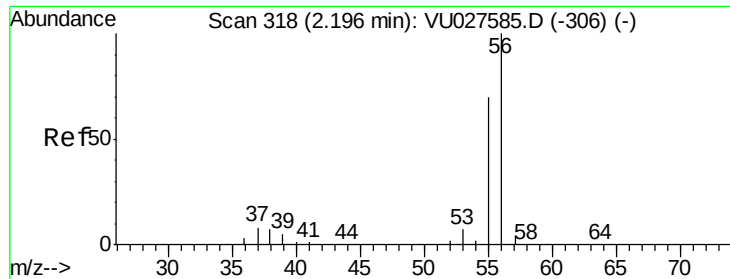


#12

1,1-Dichloroethene
Concen: 19.98 ug/l
RT: 2.28 min Scan# 345
Delta R.T. -0.00 min
Lab File: VU027584.D
Acq: 11 Oct 2018 09:08

Tgt Ion	Ratio	Resp	Lower	Upper
96	100	24456		
61	194.5		153.0	229.6
98	62.0		49.3	73.9





#13

Acrolein

Concen: 100.19 ug/l

RT: 2.20 min Scan# 318

Delta R.T. -0.00 min

Lab File: VU027584.D

Acq: 11 Oct 2018 09:08

Instrument :

MSVOA_U

ClientSampled :

VSTDIC020

Tgt Ion: 56 Resp: 34255

Ion Ratio Lower Upper

56 100

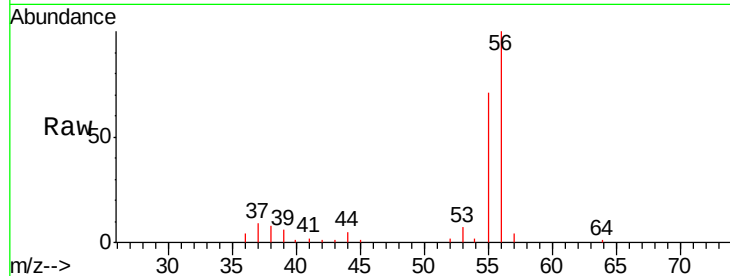
55 72.5 57.7 86.5

Manual Integrations

APPROVED

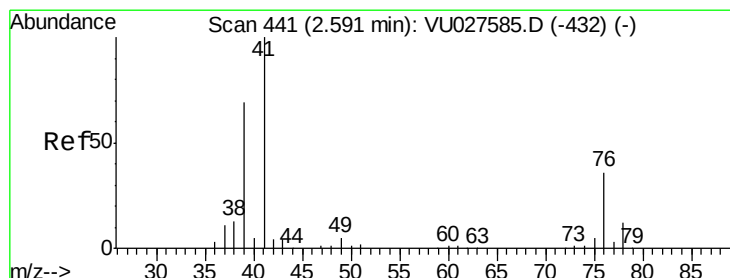
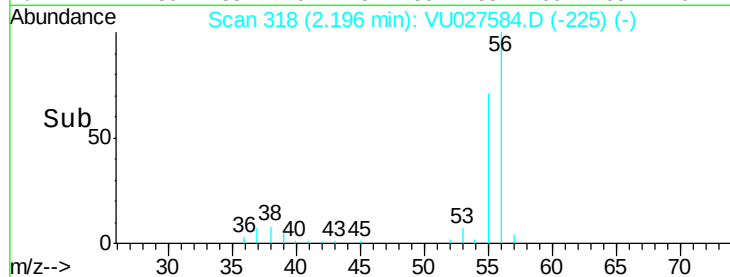
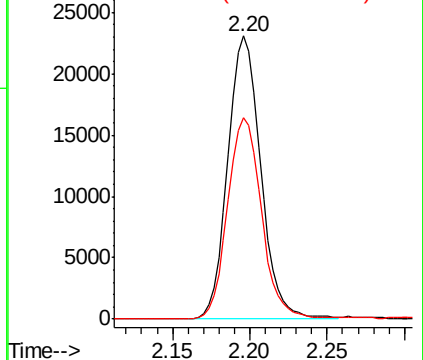
MMDadoda

10/16/2018 2:22:49 PM



Abundance Ion 56.00 (55.70 to 56.70): VU0

Ion 55.00 (54.70 to 55.70): VU0



#14

Allyl chloride

Concen: 18.62 ug/l

RT: 2.59 min Scan# 442

Delta R.T. 0.00 min

Lab File: VU027584.D

Acq: 11 Oct 2018 09:08

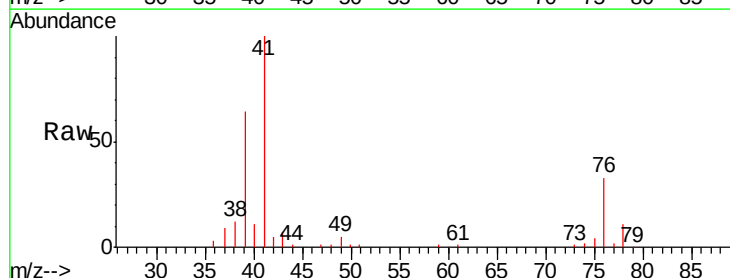
Tgt Ion: 41 Resp: 54129

Ion Ratio Lower Upper

41 100

39 66.8 51.8 77.8

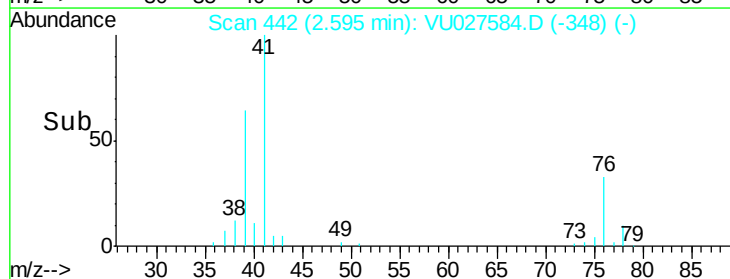
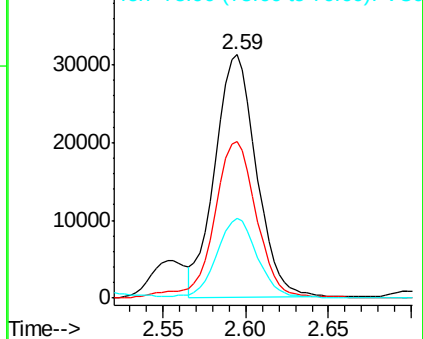
76 32.6 25.9 38.9

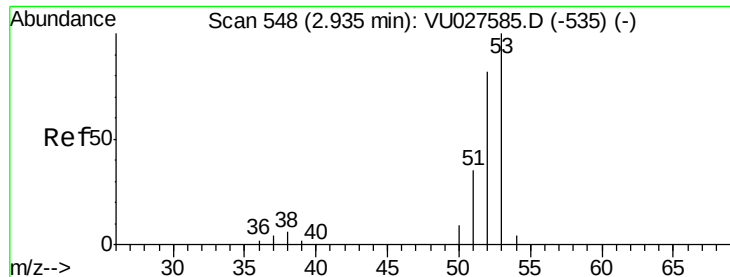


Abundance Ion 41.00 (40.70 to 41.70): VU0

Ion 39.00 (38.70 to 39.70): VU0

Ion 75.90 (75.60 to 76.60): VU0





#15

Acrylonitrile

Concen: 102.74 ug/l

RT: 2.94 min Scan# 549

Delta R.T. 0.00 min

Lab File: VU027584.D

Acq: 11 Oct 2018 09:08

Instrument :

MSVOA_U

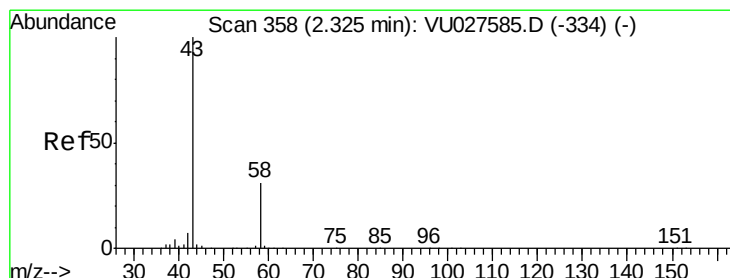
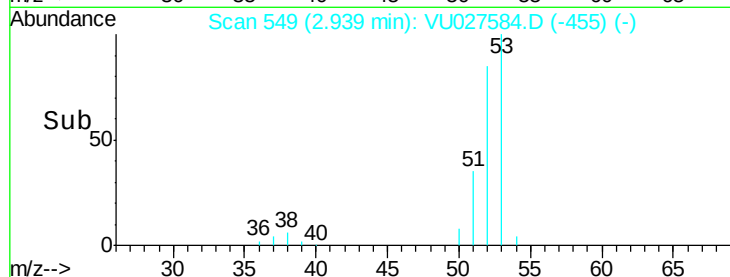
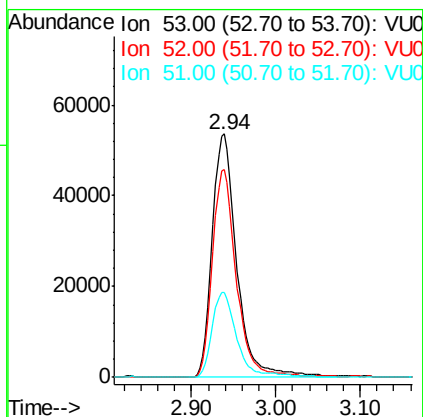
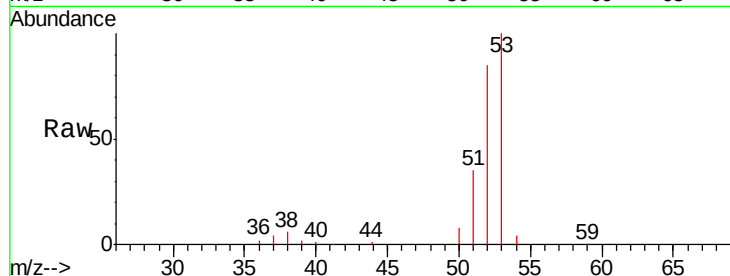
ClientSampleId :

VSTDIC020

Tgt Ion:	53	Resp:	108955
Ion Ratio	Lower	Upper	
53	100		
52	82.6	66.5	99.7
51	35.5	27.6	41.4

Manual Integrations
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#16

Acetone

Concen: 94.16 ug/l

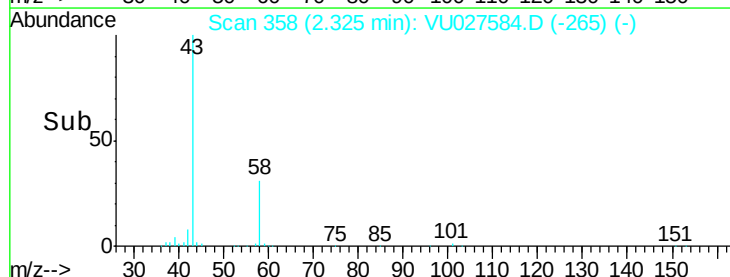
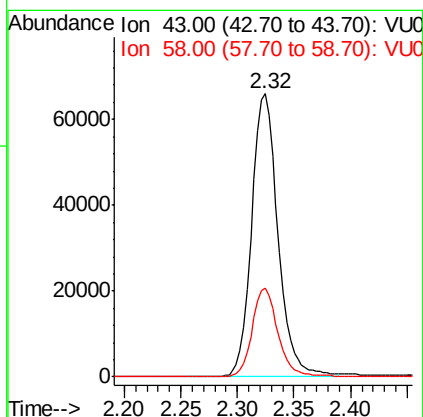
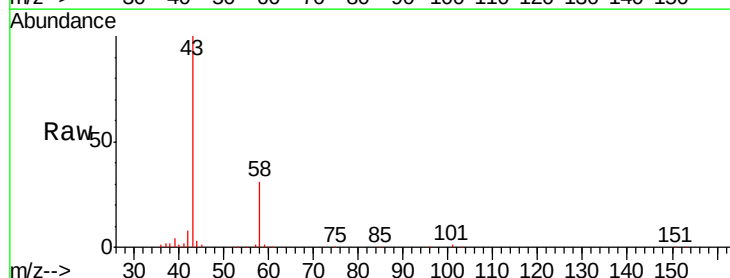
RT: 2.32 min Scan# 358

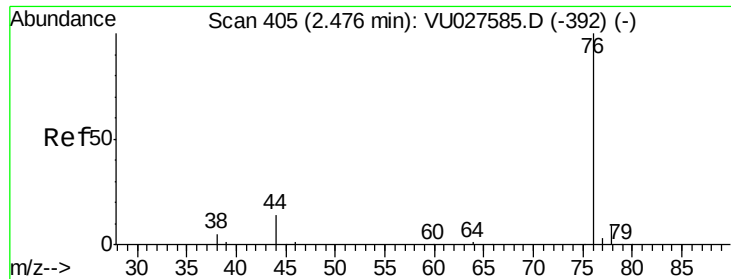
Delta R.T. -0.00 min

Lab File: VU027584.D

Acq: 11 Oct 2018 09:08

Tgt Ion:	43	Resp:	107626
Ion Ratio	Lower	Upper	
43	100		
58	31.3	24.2	36.4





#17

Carbon Disulfide

Concen: 18.55 ug/l

RT: 2.48 min Scan# 406

Delta R.T. 0.00 min

Lab File: VU027584.D

Acq: 11 Oct 2018 09:08

Instrument :

MSVOA_U

ClientSampleId :

VSTDIC020

Tgt Ion: 76 Resp: 81878

Ion Ratio Lower Upper

76 100

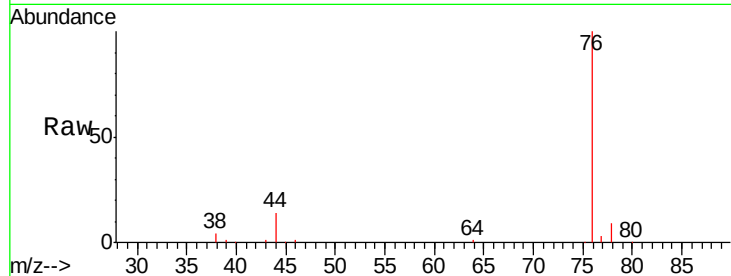
78 9.0 7.3 10.9

Manual Integrations

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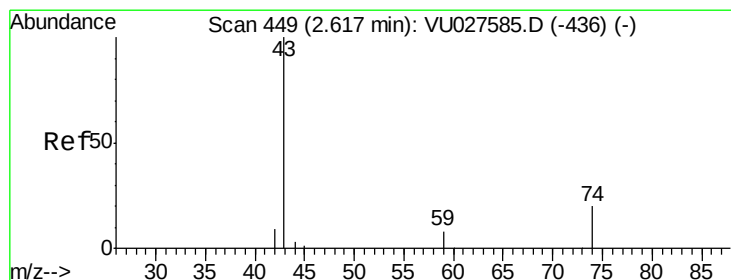
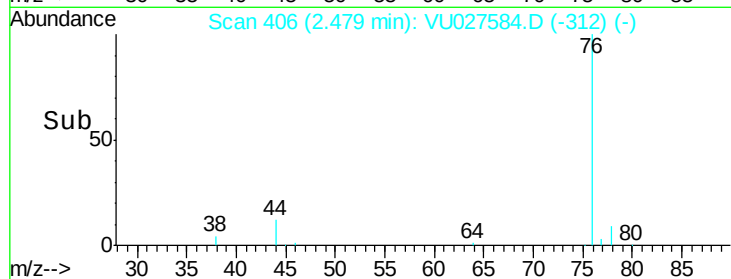
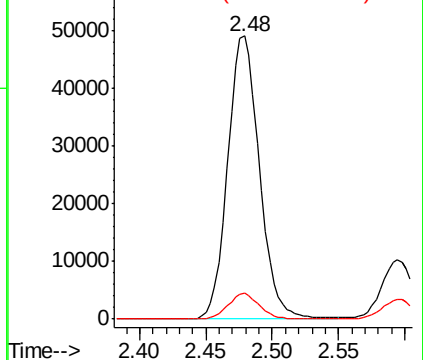
MMDadoda

10/16/2018 2:22:49 PM



Abundance Ion 75.90 (75.60 to 76.60): VU0

Ion 77.90 (77.60 to 78.60): VU0



#18

Methyl Acetate

Concen: 21.76 ug/l

RT: 2.62 min Scan# 449

Delta R.T. -0.00 min

Lab File: VU027584.D

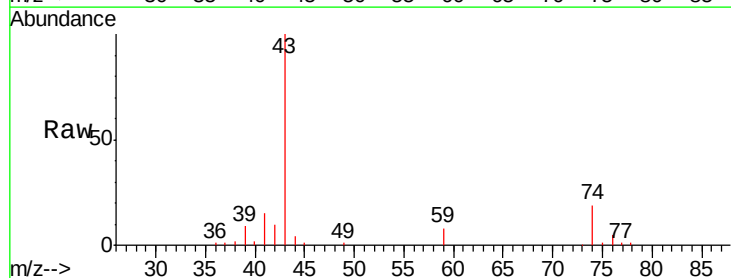
Acq: 11 Oct 2018 09:08

Tgt Ion: 43 Resp: 56737

Ion Ratio Lower Upper

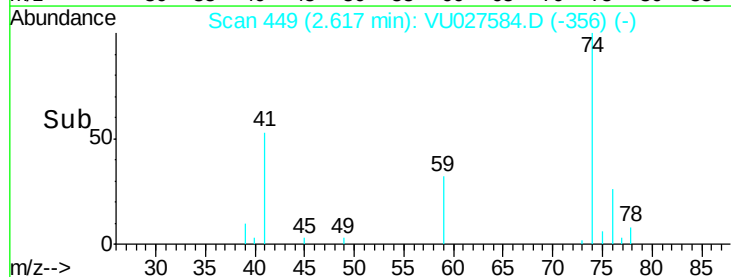
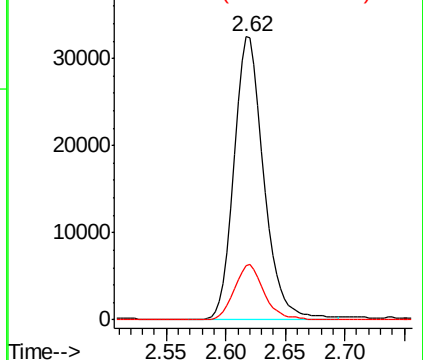
43 100

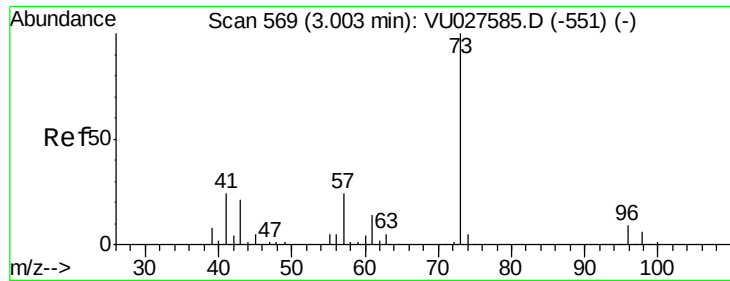
74 19.5 16.5 24.7



Abundance Ion 43.00 (42.70 to 43.70): VU0

Ion 74.00 (73.70 to 74.70): VU0





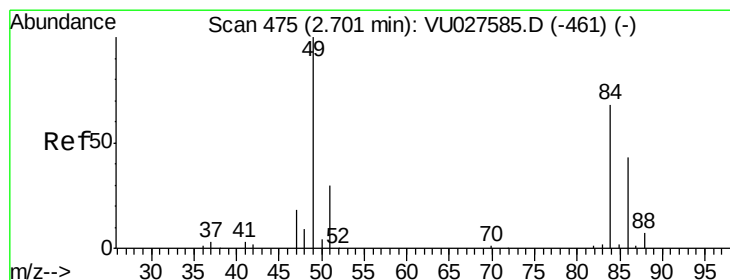
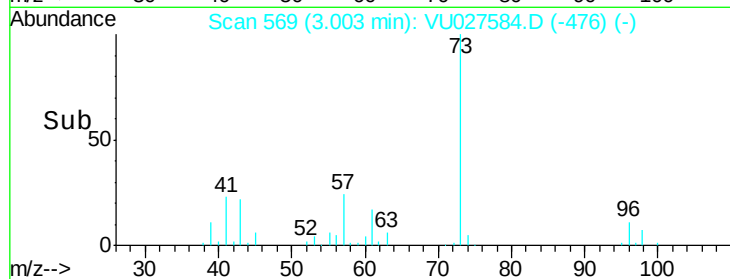
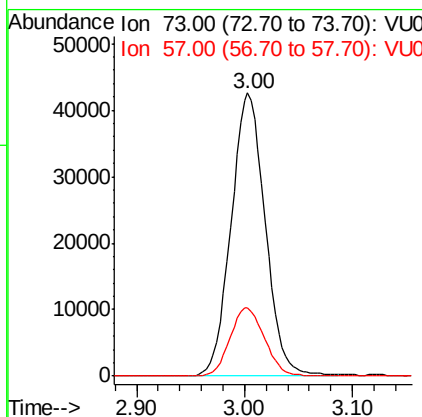
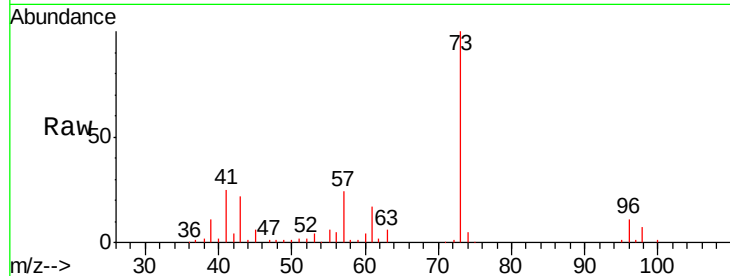
#19
Methyl tert-butyl Ether
Concen: 19.13 ug/l
RT: 3.00 min Scan# 569
Delta R.T. -0.00 min
Lab File: VU027584.D
Acq: 11 Oct 2018 09:08

Instrument :
MSVOA_U
ClientSampleId :
VSTDIC020

Tgt Ion: 73 Resp: 93819
Ion Ratio Lower Upper
73 100
57 24.2 20.0 30.0

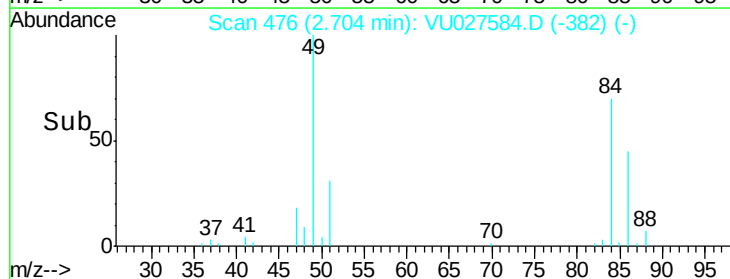
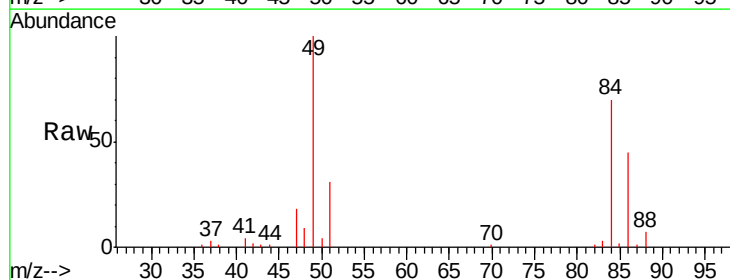
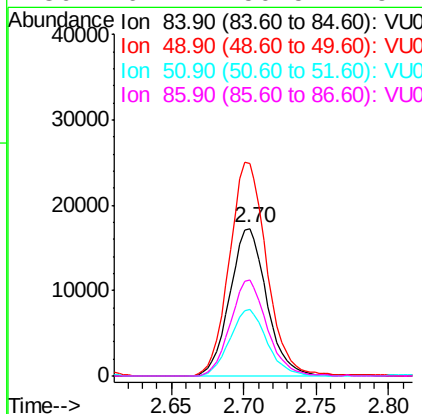
Manual Integrations
APPROVED

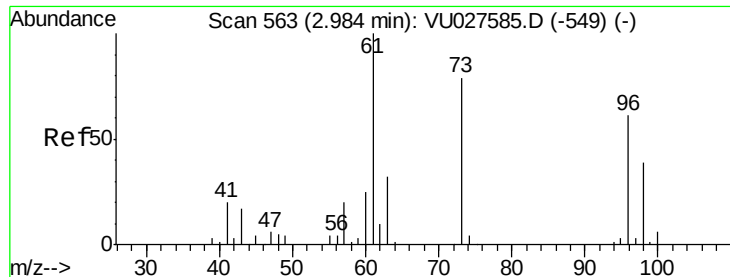
MMDadoda
10/16/2018 2:22:49 PM



#20
Methylene Chloride
Concen: 19.19 ug/l
RT: 2.70 min Scan# 476
Delta R.T. 0.00 min
Lab File: VU027584.D
Acq: 11 Oct 2018 09:08

Tgt Ion: 84 Resp: 30551
Ion Ratio Lower Upper
84 100
49 143.6 120.5 180.7
51 44.8 35.1 52.7
86 64.7 50.5 75.7





#21

trans-1,2-Dichloroethene

Concen: 19.34 ug/l

RT: 2.98 min Scan# 563

Delta R.T. -0.00 min

Lab File: VU027584.D

Acq: 11 Oct 2018 09:08

Instrument :

MSVOA_U

ClientSampled :

VSTDIC020

Tgt Ion: 96 Resp: 26570

Ion Ratio Lower Upper

96 100

61 171.2 129.4 194.2

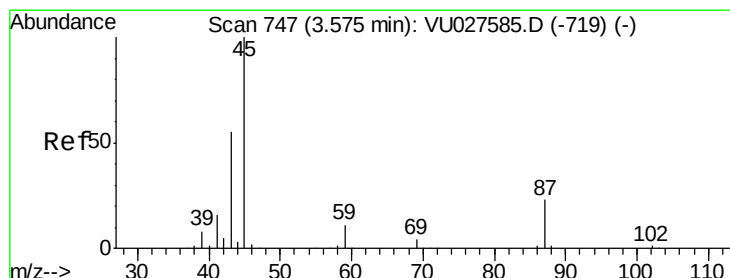
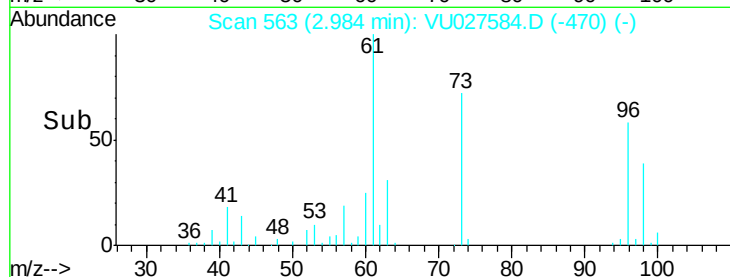
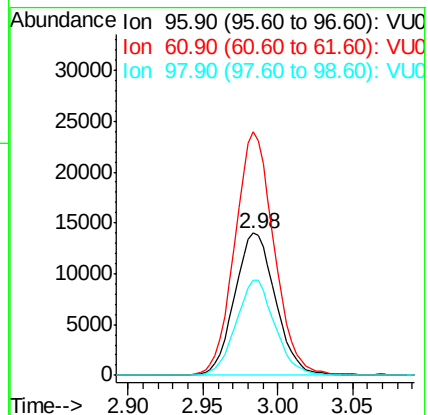
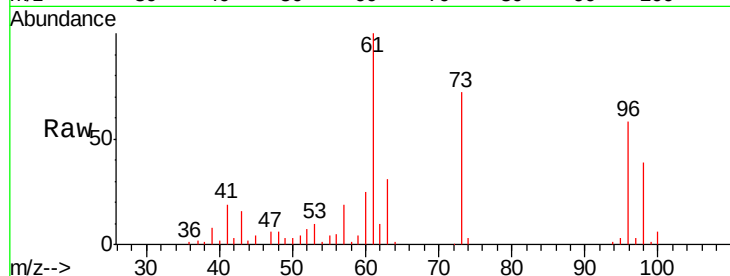
98 67.0 51.2 76.8

Manual Integrations

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MMDadoda

10/16/2018 2:22:49 PM



#22

Diisopropyl ether

Concen: 19.69 ug/l

RT: 3.58 min Scan# 747

Delta R.T. -0.00 min

Lab File: VU027584.D

Acq: 11 Oct 2018 09:08

Tgt Ion: 45 Resp: 116332

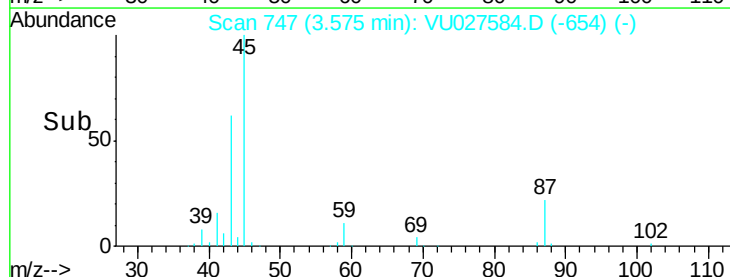
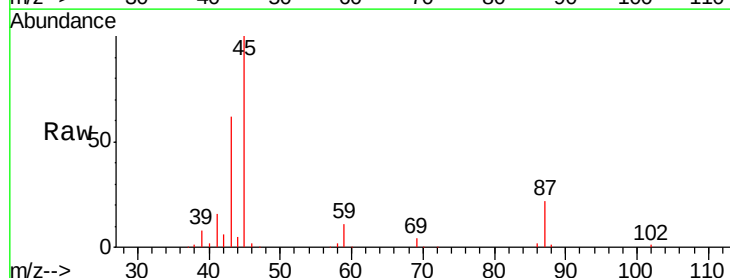
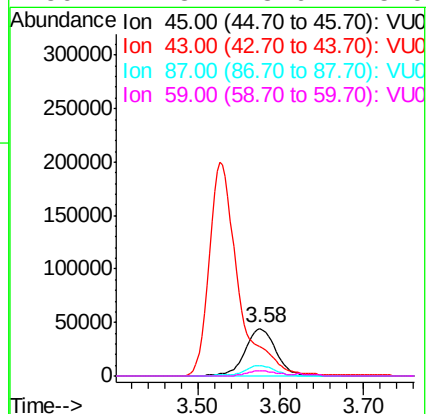
Ion Ratio Lower Upper

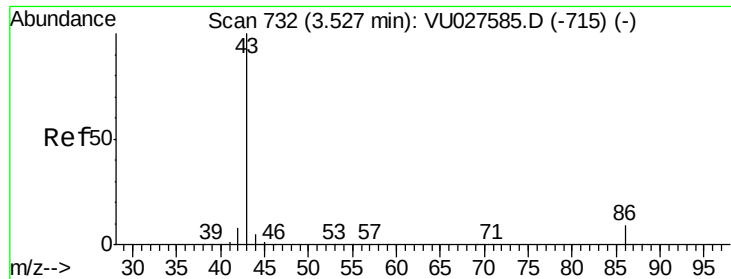
45 100

43 59.1 43.4 65.2

87 22.1 17.5 26.3

59 11.3 8.6 13.0





#23

Vinyl Acetate

Concen: 94.92 ug/l

RT: 3.53 min Scan# 732

Delta R.T. -0.00 min

Lab File: VU027584.D

Acq: 11 Oct 2018 09:08

Instrument :

MSVOA_U

ClientSampleId :

VSTDIC020

Tgt Ion: 43 Resp: 489696

Ion Ratio Lower Upper

43 100

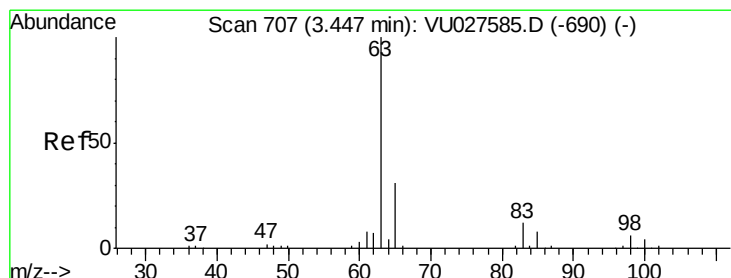
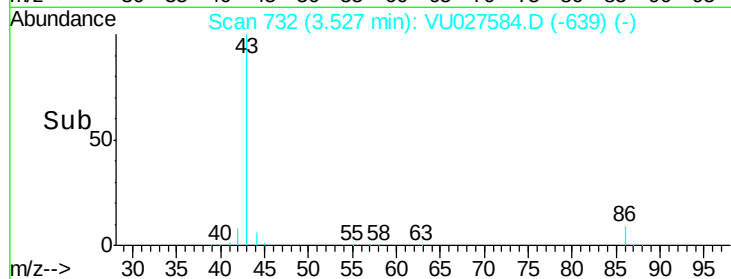
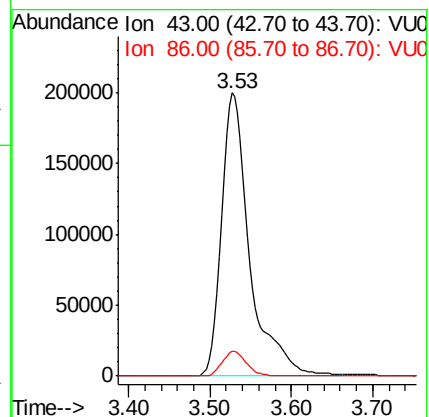
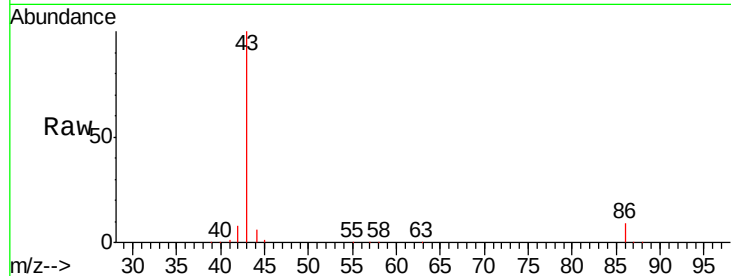
86 8.7 7.0 10.4

Manual Integrations

APPROVED

MMDadoda

10/16/2018 2:22:49 PM



#24

1,1-Dichloroethane

Concen: 19.73 ug/l

RT: 3.45 min Scan# 708

Delta R.T. 0.00 min

Lab File: VU027584.D

Acq: 11 Oct 2018 09:08

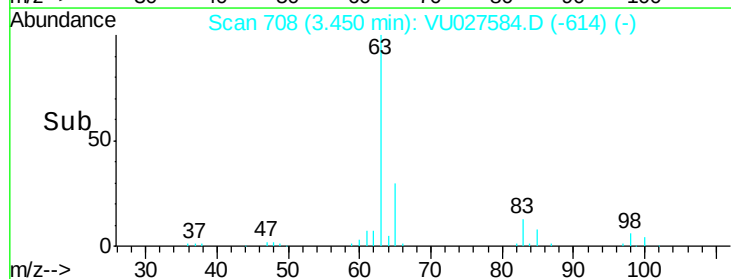
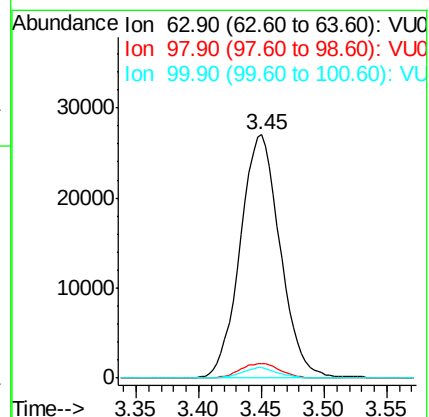
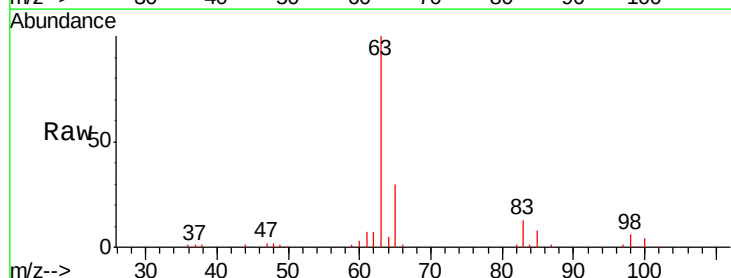
Tgt Ion: 63 Resp: 59927

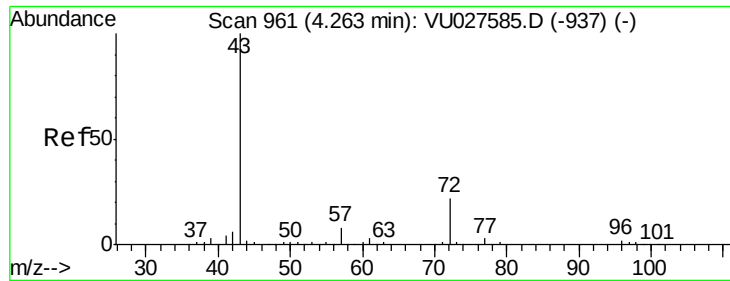
Ion Ratio Lower Upper

63 100

98 6.1 3.0 9.2

100 4.4 1.8 5.5





#25

2-Butanone

Concen: 102.46 ug/l

RT: 4.27 min Scan# 962

Delta R.T. 0.00 min

Lab File: VU027584.D

Acq: 11 Oct 2018 09:08

Instrument :

MSVOA_U

ClientSampleId :

VSTDIC020

Tgt Ion: 43 Resp: 159705

Ion Ratio Lower Upper

43 100

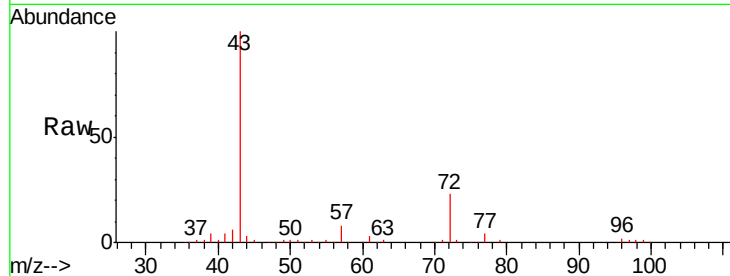
72 23.1 17.8 26.6

Manual Integrations

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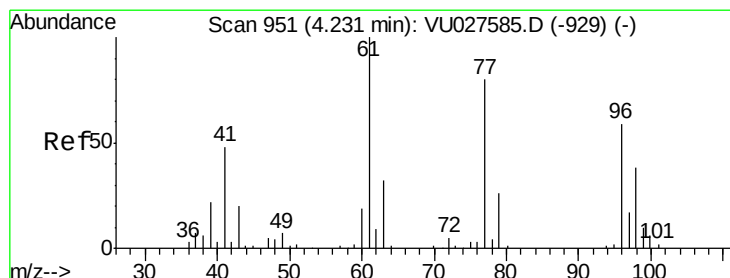
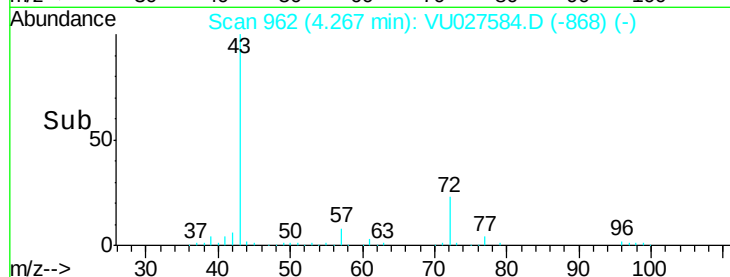
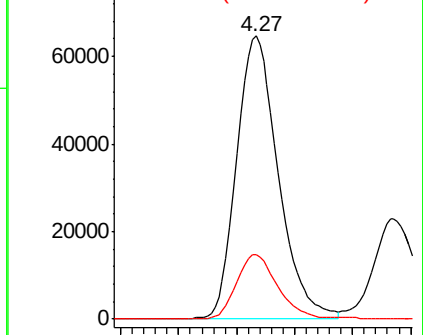
MMDadoda

10/16/2018 2:22:49 PM



Abundance Ion 43.00 (42.70 to 43.70): VU0

Ion 72.00 (71.70 to 72.70): VU0



#26

2,2-Dichloropropane

Concen: 18.94 ug/l

RT: 4.23 min Scan# 951

Delta R.T. -0.00 min

Lab File: VU027584.D

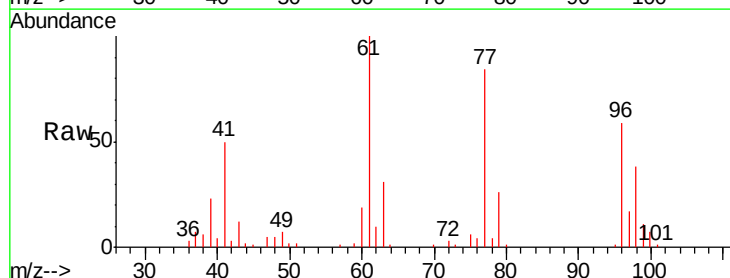
Acq: 11 Oct 2018 09:08

Tgt Ion: 77 Resp: 47265

Ion Ratio Lower Upper

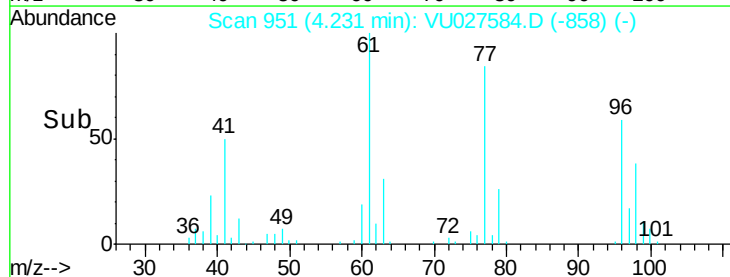
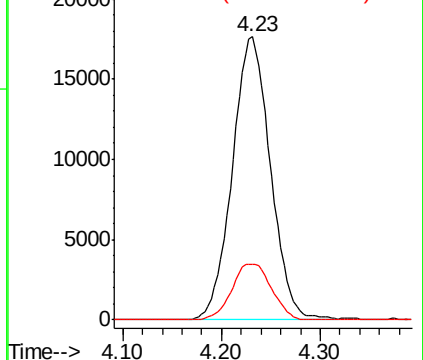
77 100

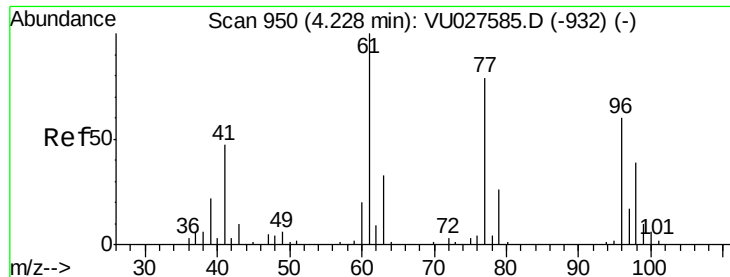
97 20.5 10.4 31.1



Abundance Ion 76.90 (76.60 to 77.60): VU0

Ion 96.90 (96.60 to 97.60): VU0





#27

cis-1,2-Dichloroethene

Concen: 18.94 ug/l

RT: 4.23 min Scan# 951

Delta R.T. 0.00 min

Lab File: VU027584.D

Acq: 11 Oct 2018 09:08

Instrument :

MSVOA_U

ClientSampleId :

VSTDIC020

Tgt Ion: 96 Resp: 29765

Ion Ratio Lower Upper

96 100

61 174.6 0.0 343.8

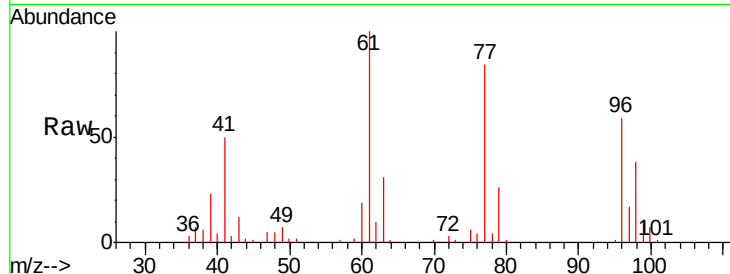
98 64.7 0.0 129.0

Manual Integrations

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MMDadoda

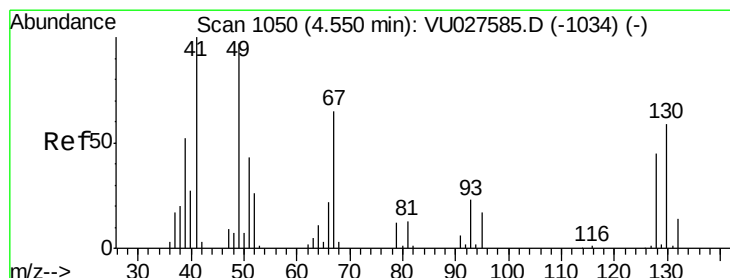
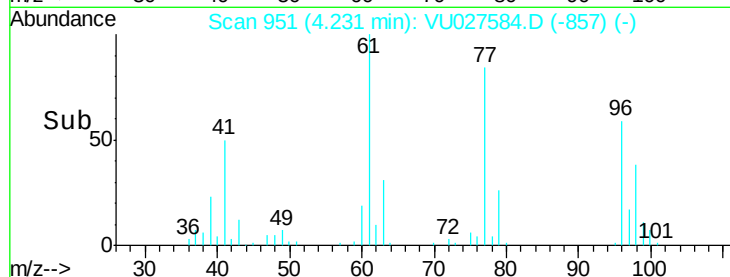
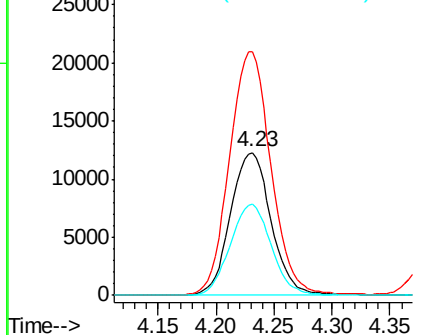
10/16/2018 2:22:49 PM



Abundance Ion 95.90 (95.60 to 96.60): VU0

Ion 60.90 (60.60 to 61.60): VU0

Ion 97.90 (97.60 to 98.60): VU0



#28

Bromochloromethane

Concen: 18.82 ug/l

RT: 4.55 min Scan# 1051

Delta R.T. 0.00 min

Lab File: VU027584.D

Acq: 11 Oct 2018 09:08

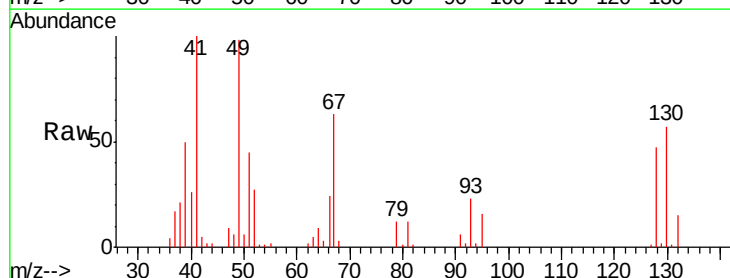
Tgt Ion: 49 Resp: 27578

Ion Ratio Lower Upper

49 100

129 1.1 0.0 3.0

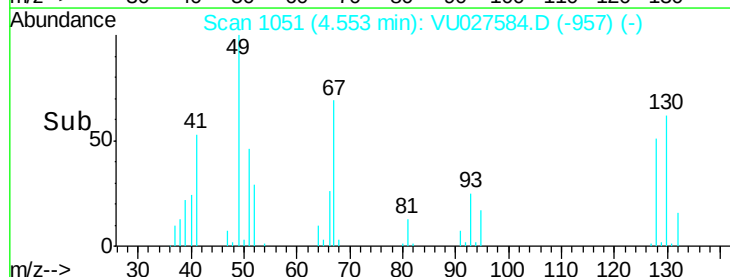
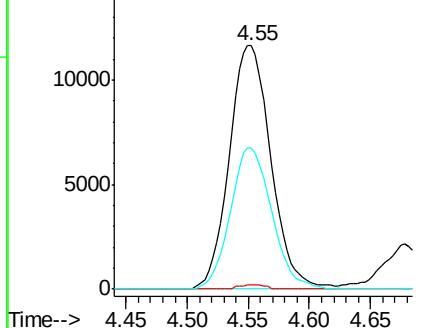
130 57.6 46.1 69.1

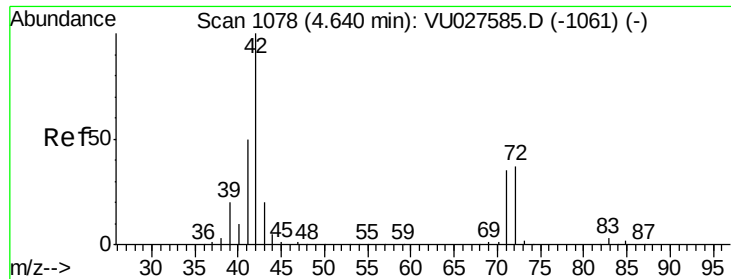


Abundance Ion 48.90 (48.60 to 49.60): VU0

Ion 128.80 (128.50 to 129.50): V

Ion 129.80 (129.50 to 130.50): V





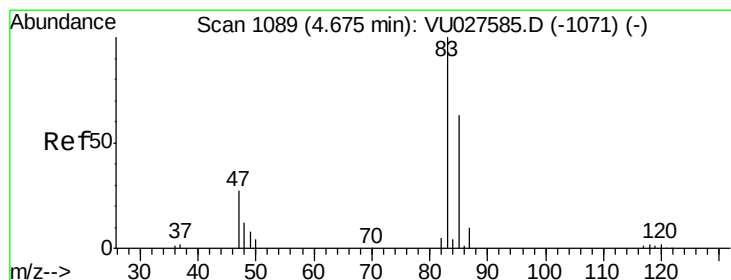
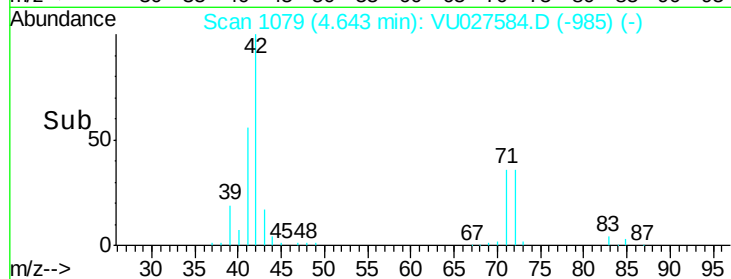
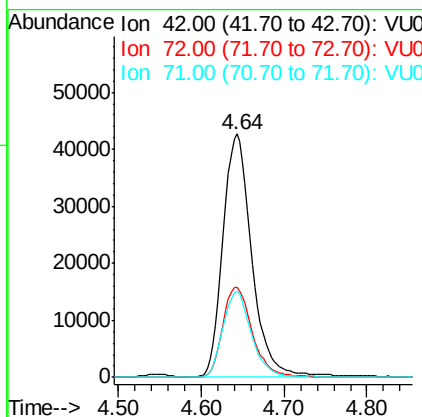
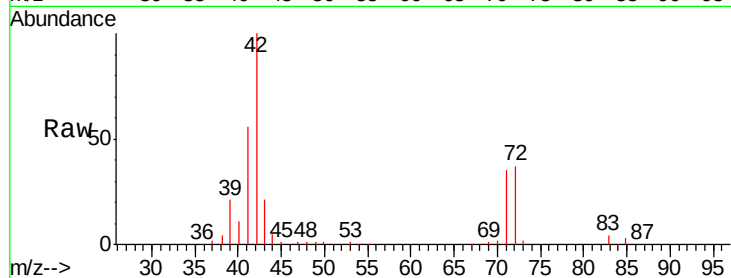
#29
Tetrahydrofuran
Concen: 105.52 ug/l
RT: 4.64 min Scan# 1079
Delta R.T. 0.00 min
Lab File: VU027584.D
Acq: 11 Oct 2018 09:08

Instrument :
MSVOA_U
ClientSampleId :
VSTDIC020

Tgt Ion	Ratio	Lower	Upper
42	100		
72	37.5	30.1	45.1
71	34.7	27.7	41.5

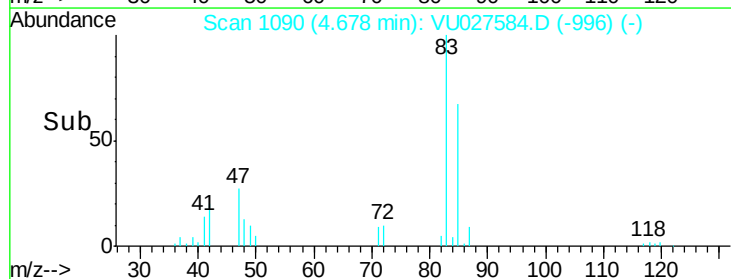
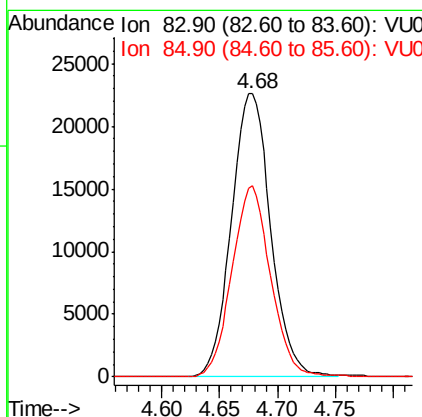
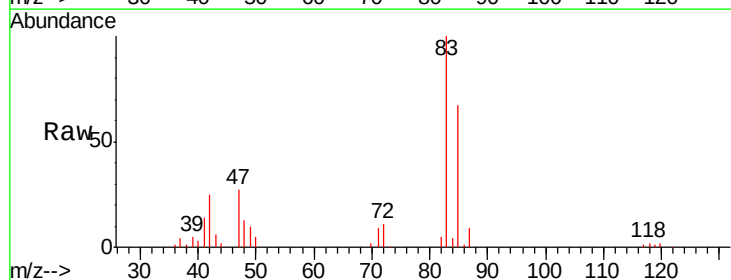
Manual Integrations
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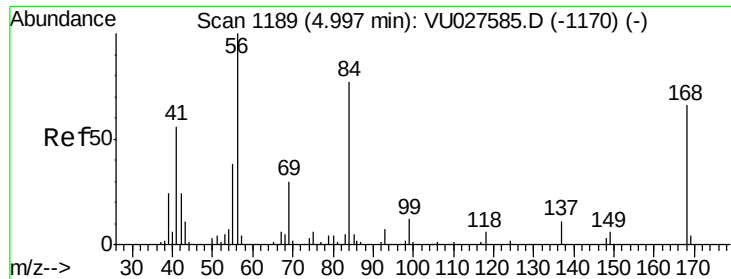
MMDadoda
10/16/2018 2:22:49 PM



#30
Chloroform
Concen: 19.77 ug/l
RT: 4.68 min Scan# 1090
Delta R.T. 0.00 min
Lab File: VU027584.D
Acq: 11 Oct 2018 09:08

Tgt Ion	Ratio	Lower	Upper
83	100		
85	67.4	51.8	77.6





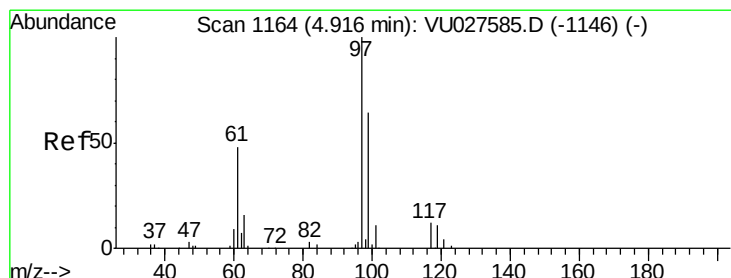
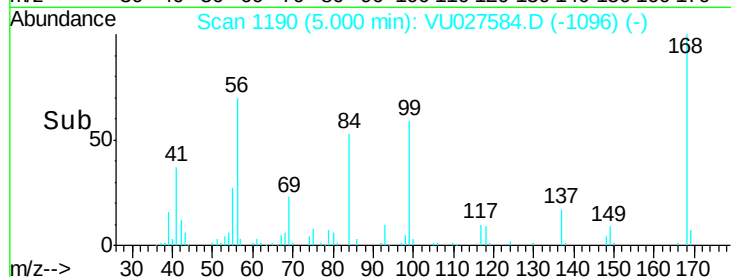
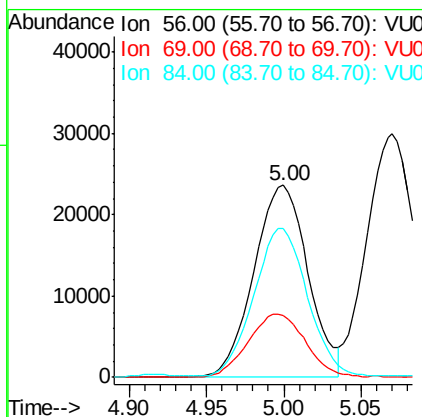
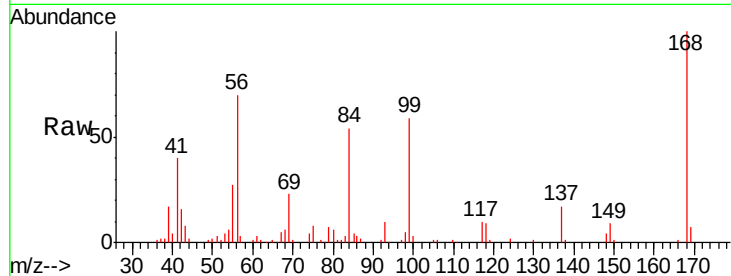
#31
Cyclohexane
Concen: 16.23 ug/l
RT: 5.00 min Scan# 1190
Delta R.T. 0.00 min
Lab File: VU027584.D
Acq: 11 Oct 2018 09:08

Instrument :
MSVOA_U
ClientSampleId :
VSTDIC020

Tgt Ion	Ratio	Lower	Upper
56	100		
69	32.3	24.1	36.1
84	76.7	59.1	88.7

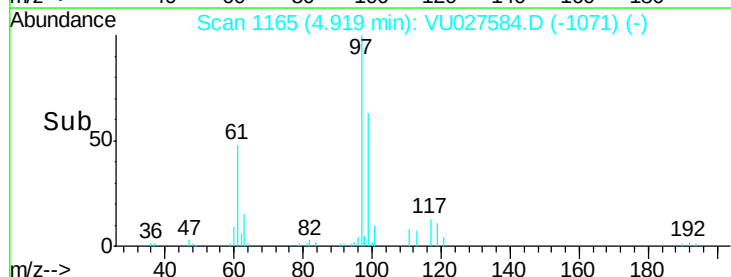
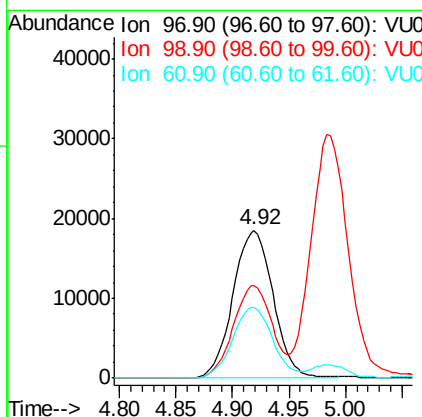
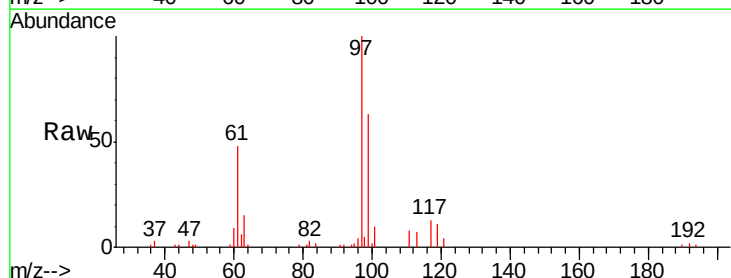
Manual Integrations
APPROVED

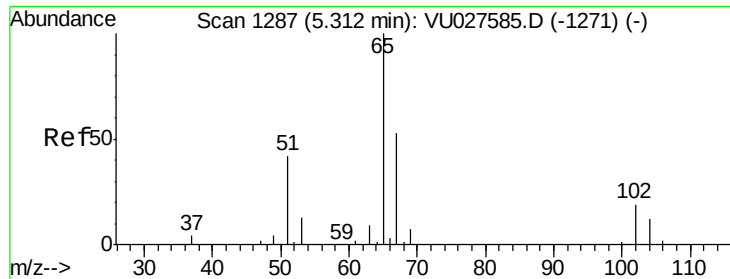
MMDadoda
10/16/2018 2:22:49 PM



#32
1,1,1-Trichloroethane
Concen: 20.17 ug/l
RT: 4.92 min Scan# 1165
Delta R.T. 0.00 min
Lab File: VU027584.D
Acq: 11 Oct 2018 09:08

Tgt Ion	Ratio	Lower	Upper
97	100		
99	60.3	51.1	76.7
61	47.7	39.6	59.4





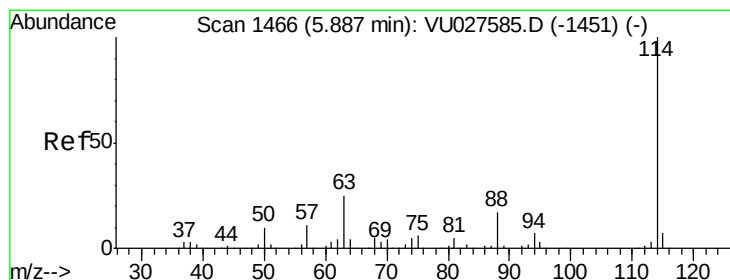
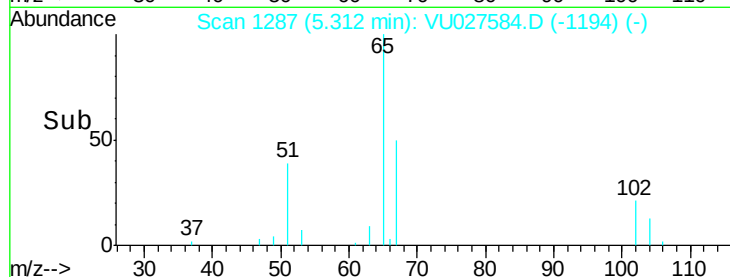
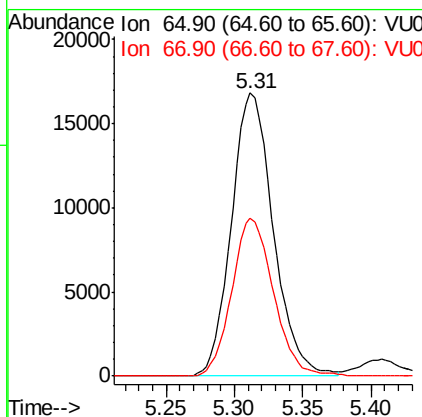
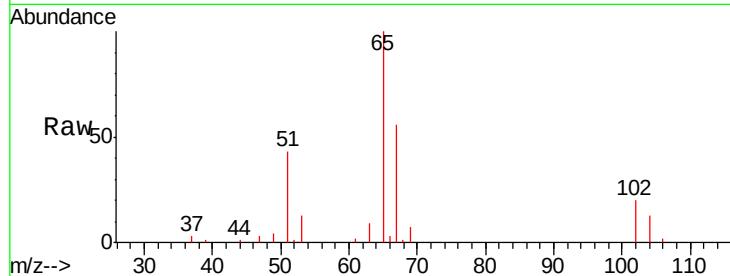
#33
 1,2-Dichloroethane-d4
 Concen: 18.55 ug/l
 RT: 5.31 min Scan# 1287
 Delta R.T. -0.00 min
 Lab File: VU027584.D
 Acq: 11 Oct 2018 09:08

Instrument :
 MSVOA_U
 ClientSampleId :
 VSTDIC020

Tgt Ion: 65 Resp: 35901
 Ion Ratio Lower Upper
 65 100
 67 55.4 0.0 107.8

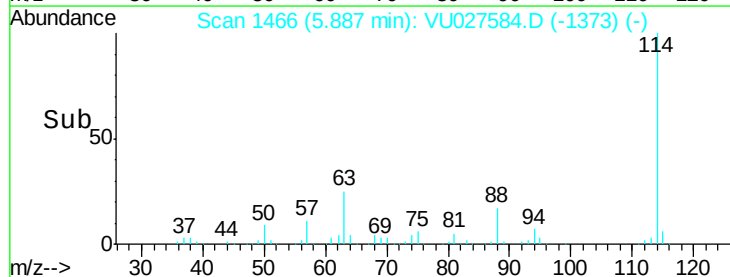
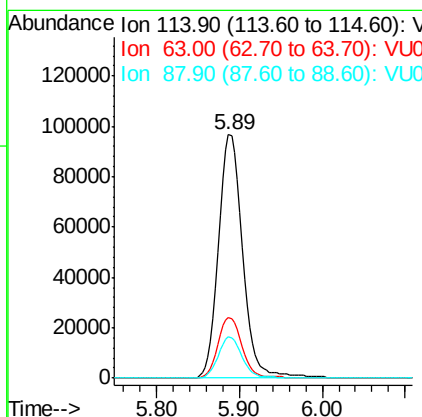
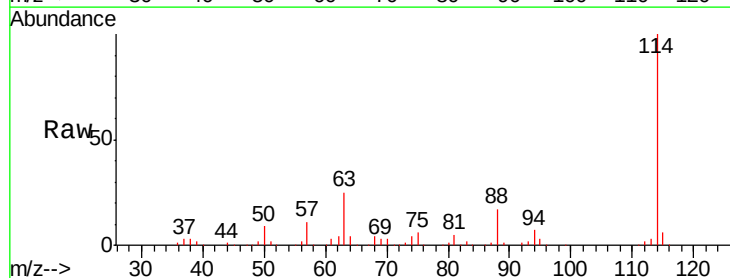
Manual Integrations
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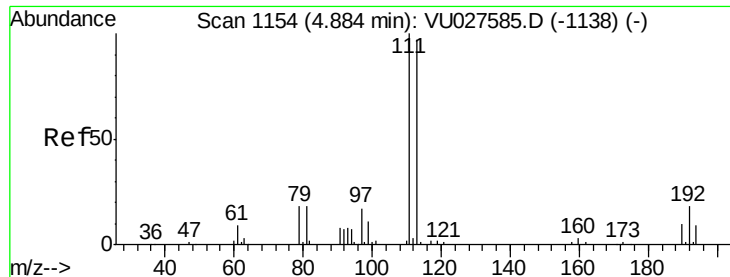
MMDadoda
 10/16/2018 2:22:49 PM



#34
 1,4-Difluorobenzene
 Concen: 50.00 ug/l
 RT: 5.89 min Scan# 1466
 Delta R.T. -0.00 min
 Lab File: VU027584.D
 Acq: 11 Oct 2018 09:08

Tgt Ion: 114 Resp: 195372
 Ion Ratio Lower Upper
 114 100
 63 25.0 0.0 50.2
 88 16.8 0.0 33.8





#35

Dibromofluoromethane

Concen: 19.33 ug/l

RT: 4.89 min Scan# 1155

Delta R.T. 0.00 min

Lab File: VU027584.D

Acq: 11 Oct 2018 09:08

Instrument :

MSVOA_U

ClientSampleId :

VSTDIC020

Tgt Ion:113 Resp: 25878

Ion Ratio Lower Upper

113 100

111 104.3 83.1 124.7

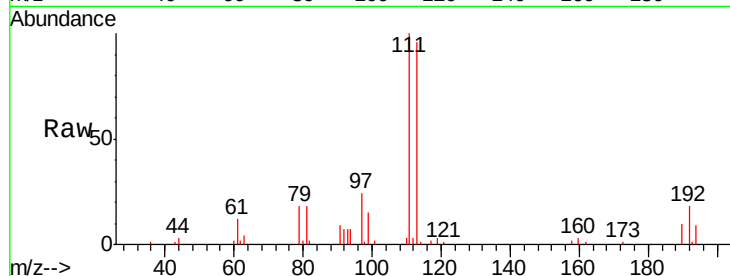
192 18.5 15.4 23.0

Manual Integrations

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MMDadoda

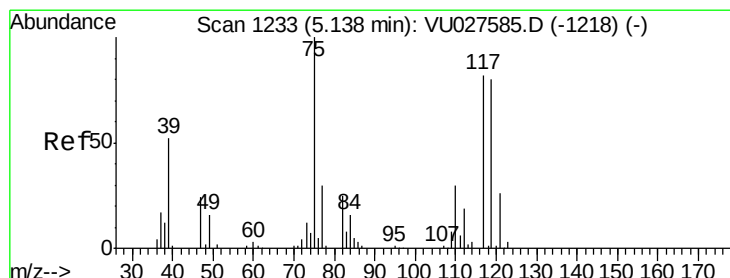
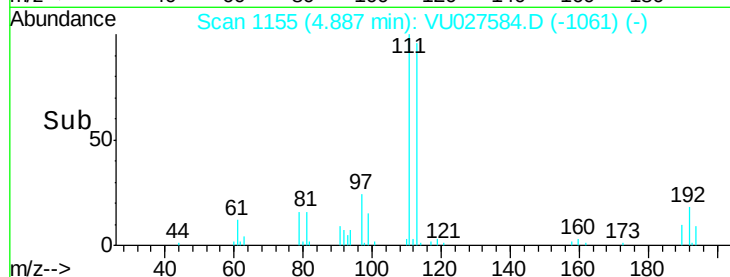
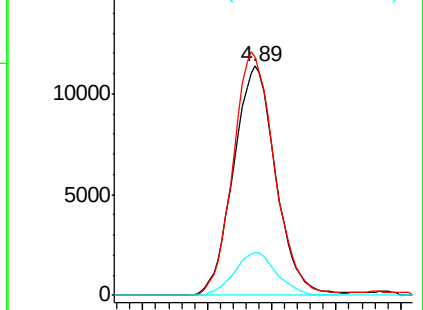
10/16/2018 2:22:49 PM



Abundance Ion 112.80 (112.50 to 113.50): V

Ion 110.80 (110.50 to 111.50): V

Ion 191.70 (191.40 to 192.40): V



#36

1,1-Dichloropropene

Concen: 19.05 ug/l

RT: 5.14 min Scan# 1233

Delta R.T. -0.00 min

Lab File: VU027584.D

Acq: 11 Oct 2018 09:08

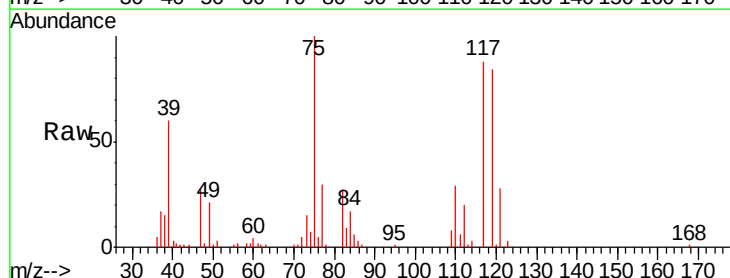
Tgt Ion: 75 Resp: 40416

Ion Ratio Lower Upper

75 100

110 30.9 15.5 46.5

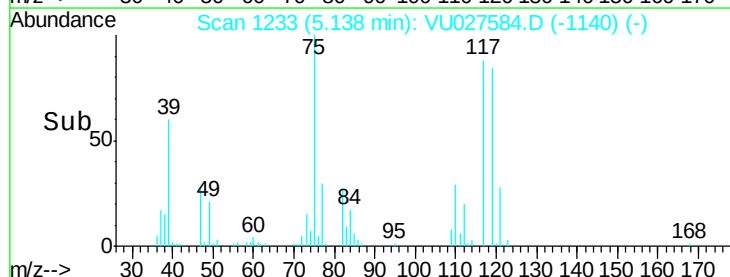
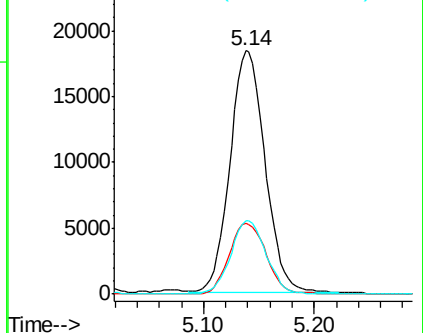
77 30.6 25.4 38.0

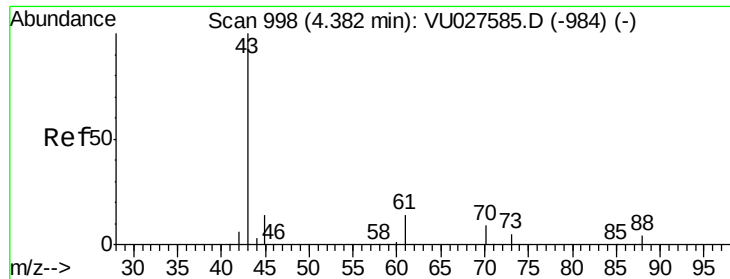


Abundance Ion 74.90 (74.60 to 75.60): VU0

Ion 109.90 (109.60 to 110.60): V

Ion 76.90 (76.60 to 77.60): VU0





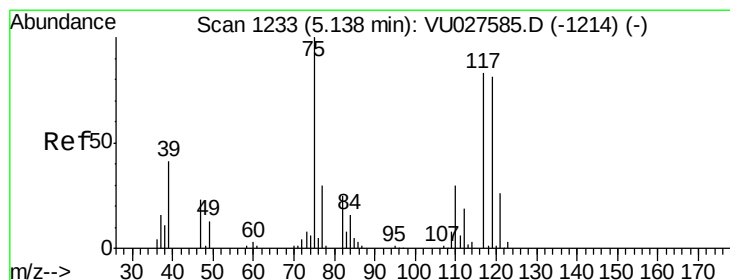
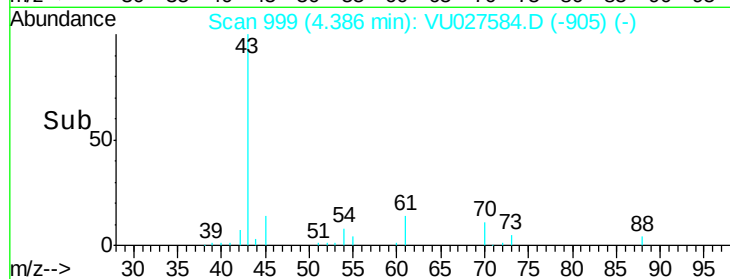
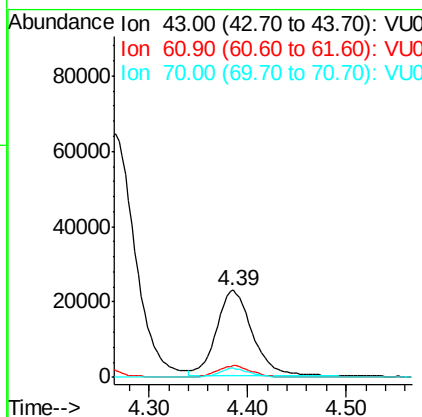
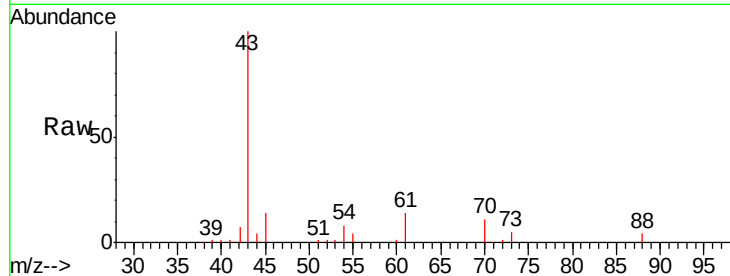
#37
Ethyl Acetate
Concen: 21.06 ug/l
RT: 4.39 min Scan# 999
Delta R.T. 0.00 min
Lab File: VU027584.D
Acq: 11 Oct 2018 09:08

Instrument :
MSVOA_U
ClientSampleId :
VSTDIC020

Tgt Ion: 43 Resp: 57749
Ion Ratio Lower Upper
43 100
61 13.4 10.7 16.1
70 9.3 7.4 11.2

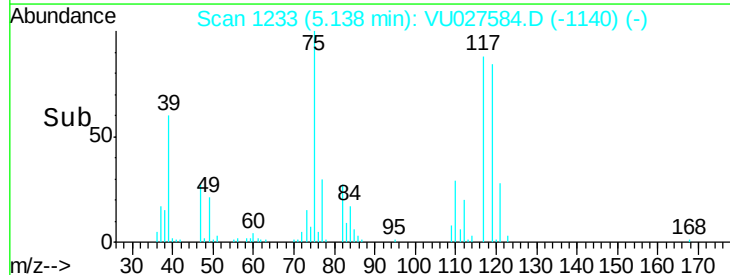
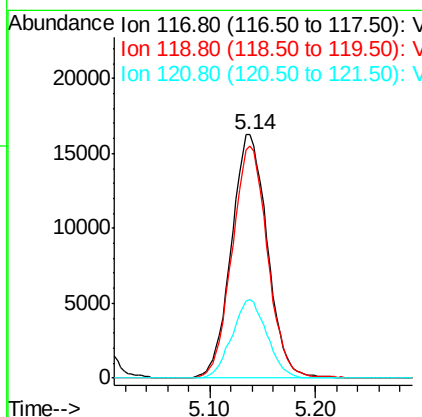
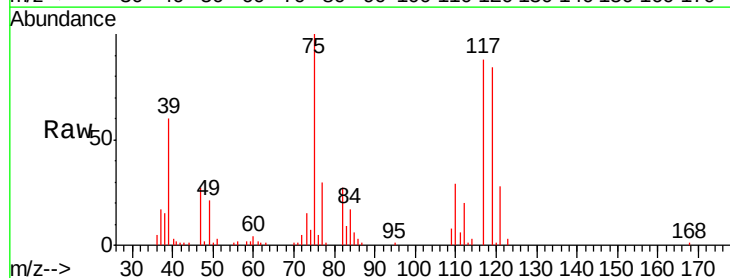
Manual Integrations
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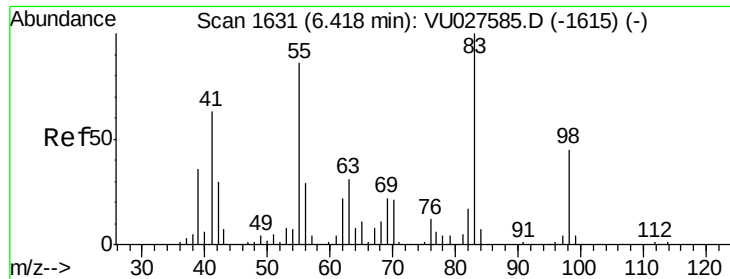
MMDadoda
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#38
Carbon Tetrachloride
Concen: 20.07 ug/l
RT: 5.14 min Scan# 1233
Delta R.T. -0.00 min
Lab File: VU027584.D
Acq: 11 Oct 2018 09:08

Tgt Ion: 117 Resp: 38456
Ion Ratio Lower Upper
117 100
119 95.5 74.5 111.7
121 32.1 24.6 37.0





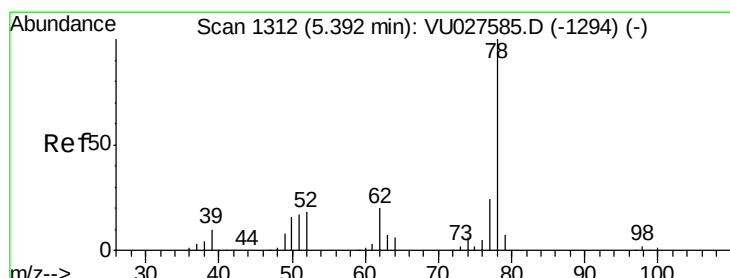
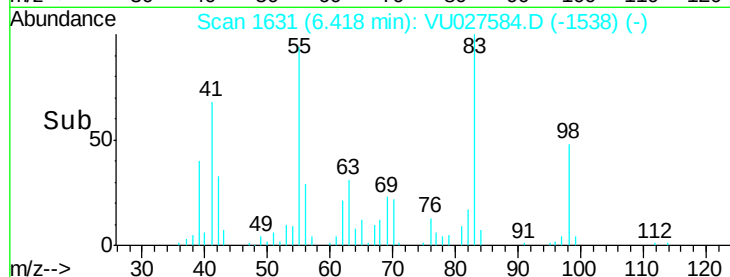
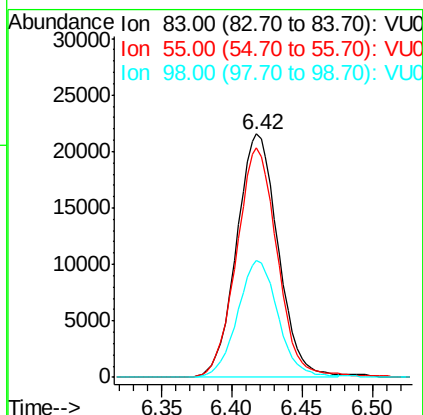
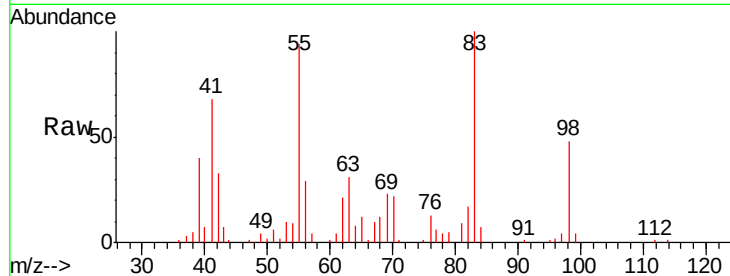
#39
Methylcyclohexane
Concen: 17.89 ug/l
RT: 6.42 min Scan# 1631
Delta R.T. -0.00 min
Lab File: VU027584.D
Acq: 11 Oct 2018 09:08

Instrument :
MSVOA_U
ClientSampleId :
VSTDIC020

Tgt Ion	Ratio	Lower	Upper
83	100		
55	94.0	71.1	106.7
98	47.8	36.3	54.5

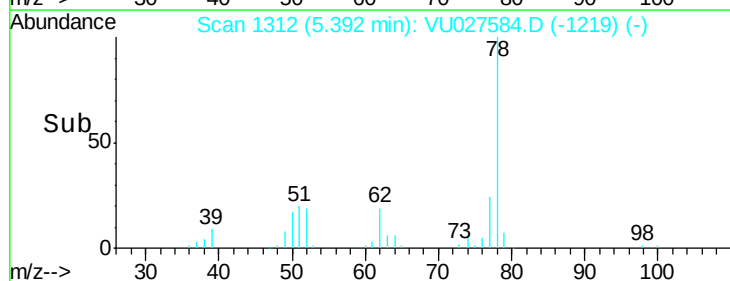
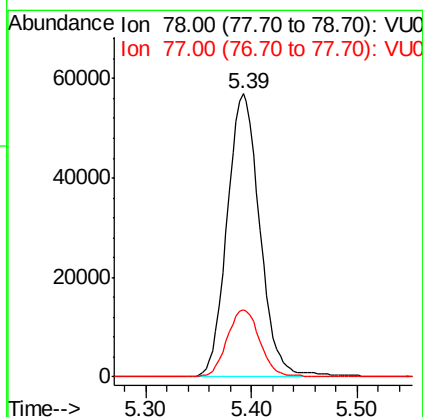
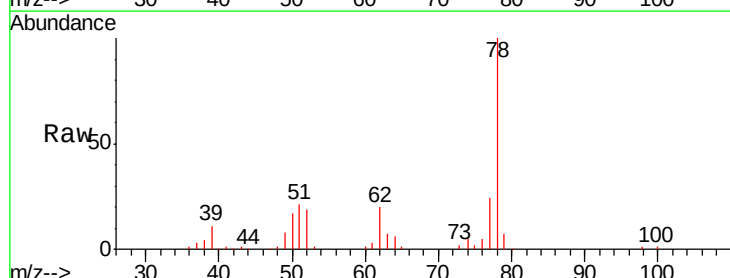
Manual Integrations
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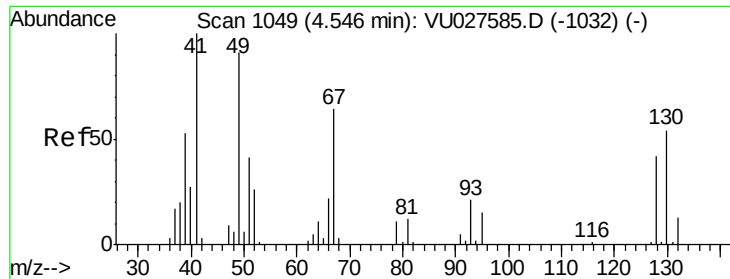
MMDadoda
10/16/2018 2:22:49 PM



#40
Benzene
Concen: 19.79 ug/l
RT: 5.39 min Scan# 1312
Delta R.T. -0.00 min
Lab File: VU027584.D
Acq: 11 Oct 2018 09:08

Tgt Ion	Ratio	Lower	Upper
78	100		
77	23.9	19.3	28.9





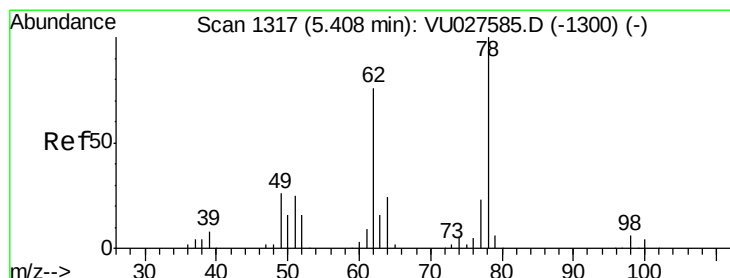
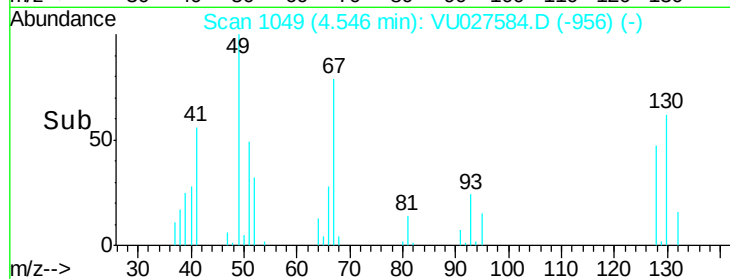
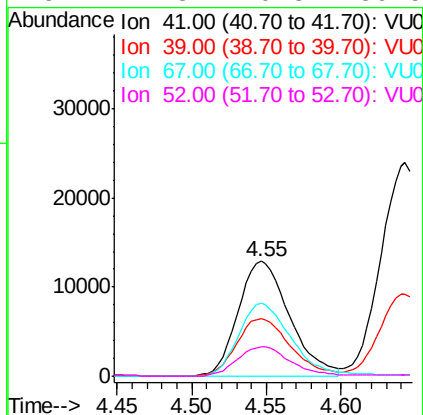
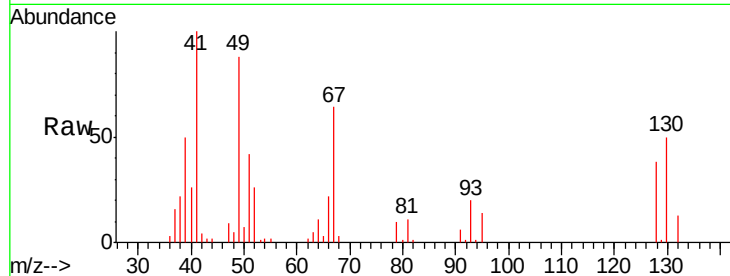
#41
Methacrylonitrile
Concen: 19.93 ug/l
RT: 4.55 min Scan# 1049
Delta R.T. -0.00 min
Lab File: VU027584.D
Acq: 11 Oct 2018 09:08

Instrument :
MSVOA_U
ClientSampleId :
VSTDIC020

Tgt Ion	Ion	Ratio	Lower	Upper
41	100			
39	52.5	41.1	61.7	
67	65.5	50.4	75.6	
52	27.3	20.3	30.5	

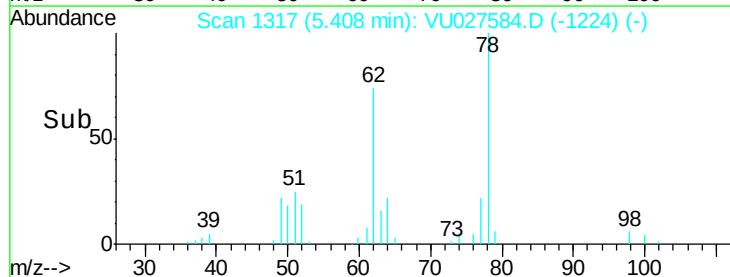
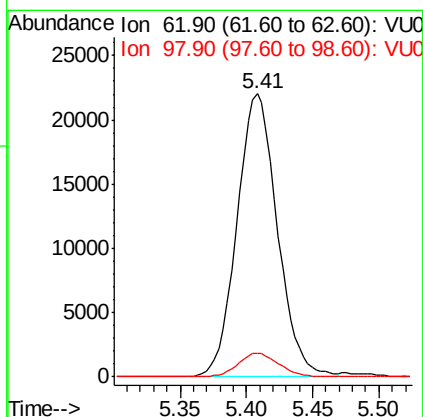
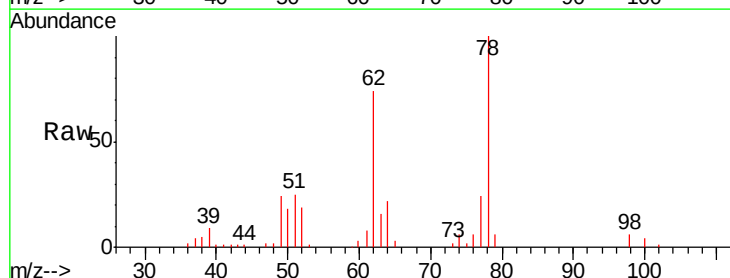
Manual Integrations
APPROVED

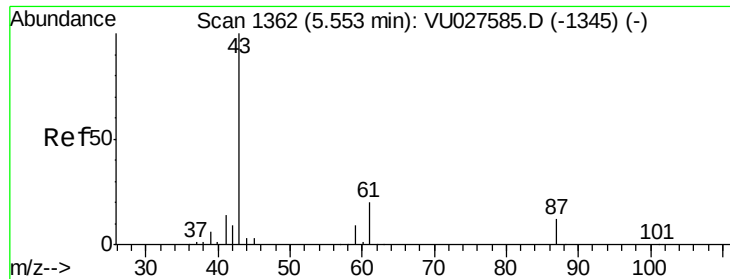
MMDadoda
10/16/2018 2:22:49 PM



#42
1,2-Dichloroethane
Concen: 20.34 ug/l
RT: 5.41 min Scan# 1317
Delta R.T. -0.00 min
Lab File: VU027584.D
Acq: 11 Oct 2018 09:08

Tgt Ion	Ion	Ratio	Lower	Upper
62	100			
98	8.3	0.0	16.8	





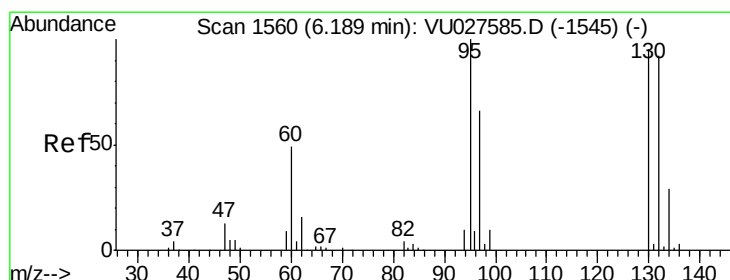
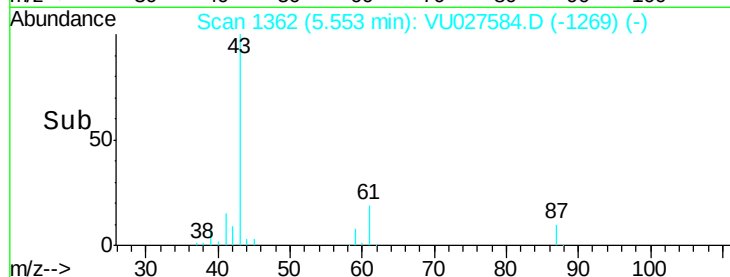
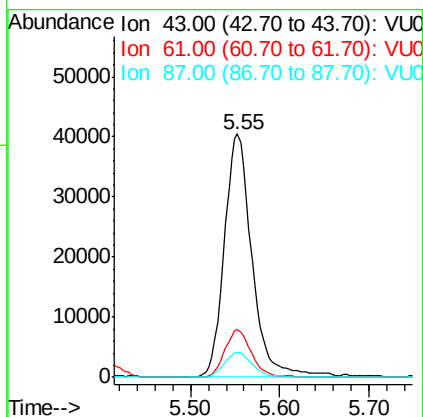
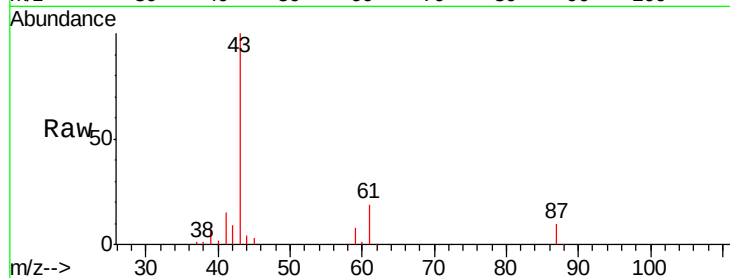
#43
Isopropyl Acetate
Concen: 20.52 ug/l
RT: 5.55 min Scan# 1362
Delta R.T. -0.00 min
Lab File: VU027584.D
Acq: 11 Oct 2018 09:08

Instrument :
MSVOA_U
ClientSampleId :
VSTDIC020

Tgt Ion	Ratio	Lower	Upper
43	100		
61	18.8	15.3	22.9
87	10.5	8.6	13.0

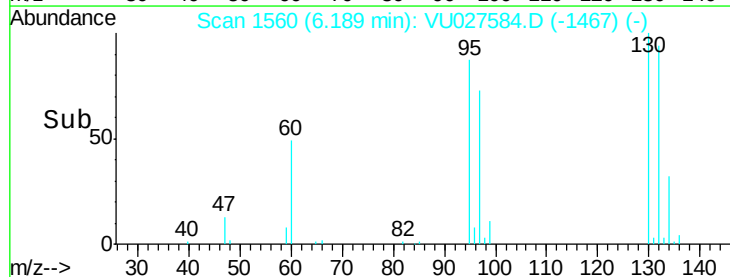
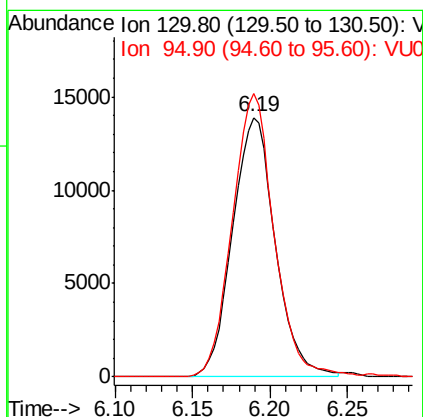
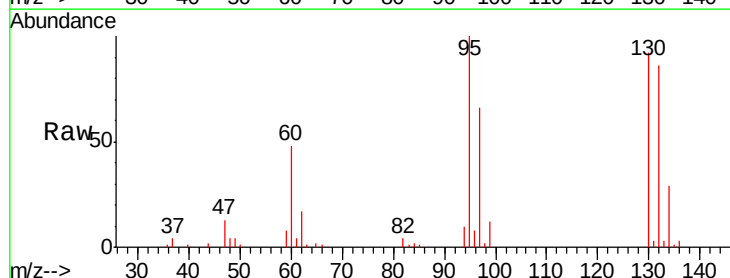
Manual Integrations
APPROVED

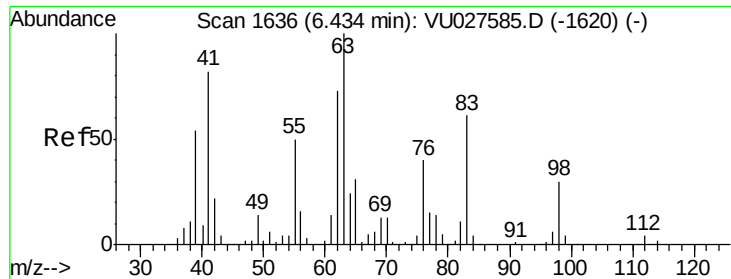
MMDadoda
10/16/2018 2:22:49 PM



#44
Trichloroethene
Concen: 19.35 ug/l
RT: 6.19 min Scan# 1560
Delta R.T. -0.00 min
Lab File: VU027584.D
Acq: 11 Oct 2018 09:08

Tgt Ion	Ratio	Lower	Upper
130	100		
95	109.3	0.0	207.0





#45

1,2-Dichloropropane

Concen: 19.75 ug/l

RT: 6.44 min Scan# 1637

Delta R.T. 0.00 min

Lab File: VU027584.D

Acq: 11 Oct 2018 09:08

Instrument :

MSVOA_U

ClientSampleId :

VSTDIC020

Tgt Ion: 63 Resp: 35206

Ion Ratio Lower Upper

63 100

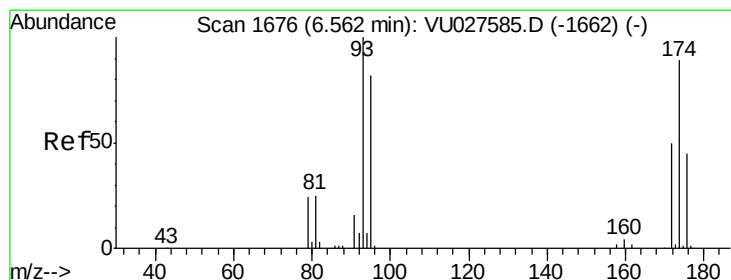
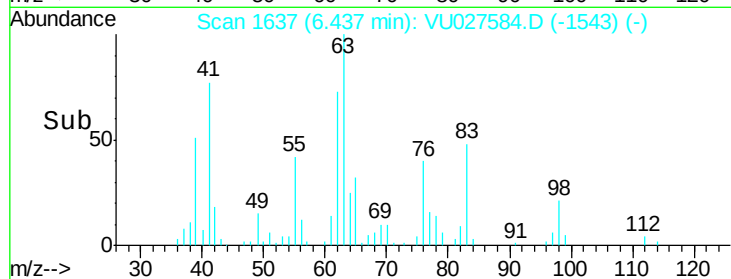
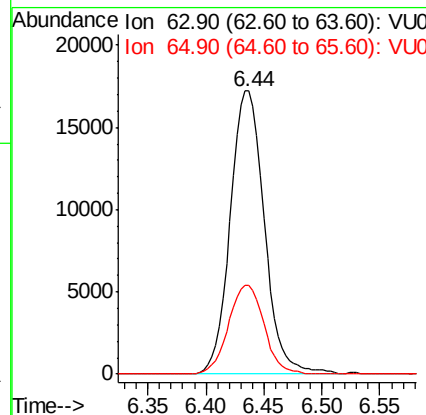
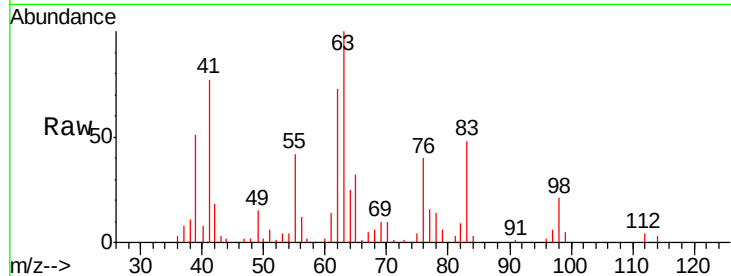
65 31.6 26.0 39.0

Manual Integrations

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10/16/2018 2:22:49 PM



#46

Dibromomethane

Concen: 20.76 ug/l

RT: 6.56 min Scan# 1676

Delta R.T. -0.00 min

Lab File: VU027584.D

Acq: 11 Oct 2018 09:08

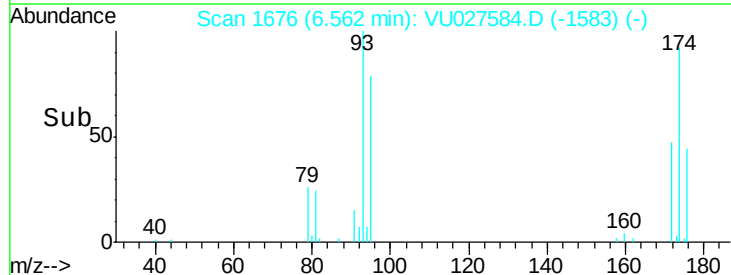
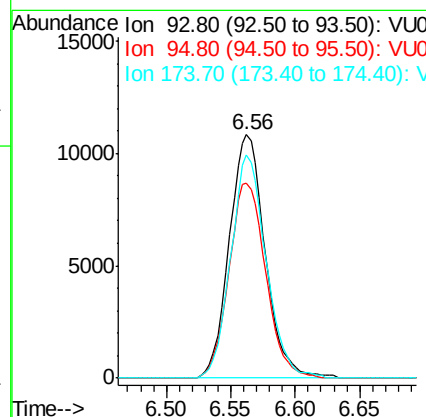
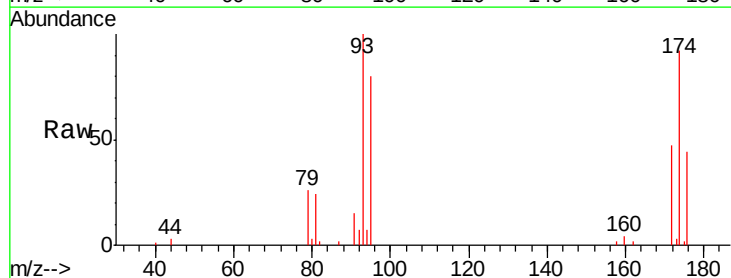
Tgt Ion: 93 Resp: 20892

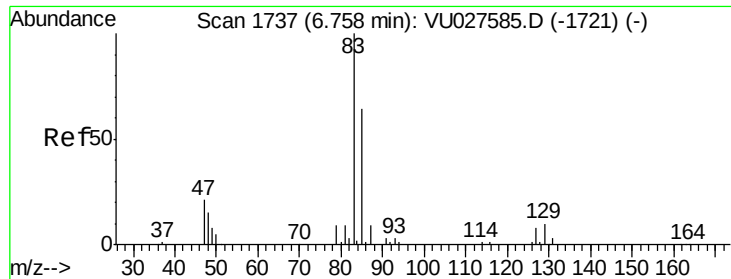
Ion Ratio Lower Upper

93 100

95 82.2 66.5 99.7

174 90.4 72.5 108.7





#47

Bromodichloromethane

Concen: 19.77 ug/l

RT: 6.76 min Scan# 1737

Delta R.T. -0.00 min

Lab File: VU027584.D

Acq: 11 Oct 2018 09:08

Instrument :

MSVOA_U

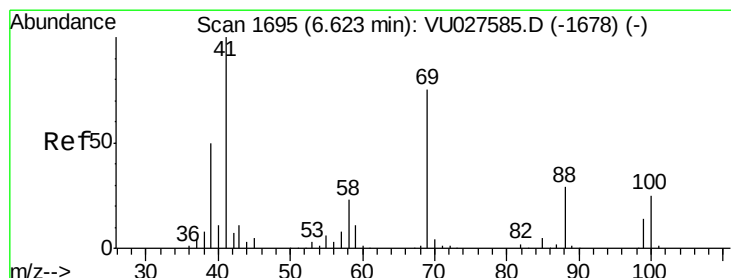
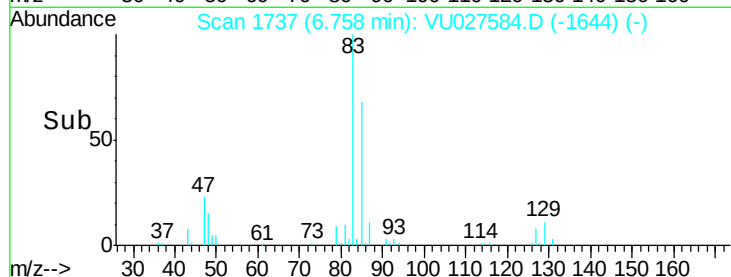
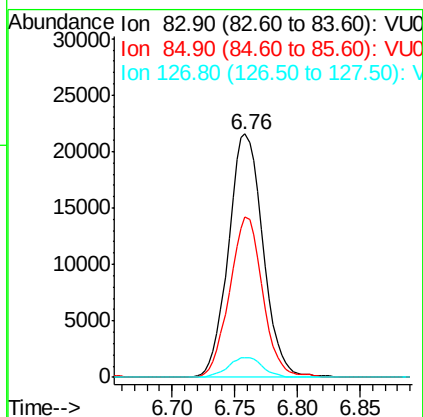
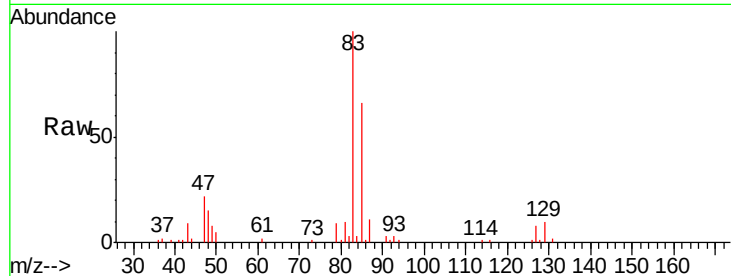
ClientSampleId :

VSTDIC020

Tgt Ion:	83	Resp:	41289
Ion	Ratio	Lower	Upper
83	100		
85	65.8	51.4	77.0
127	8.0	6.3	9.5

Manual Integrations
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MMDadoda
10/16/2018 2:22:49 PM



#48

Methyl methacrylate

Concen: 20.21 ug/l

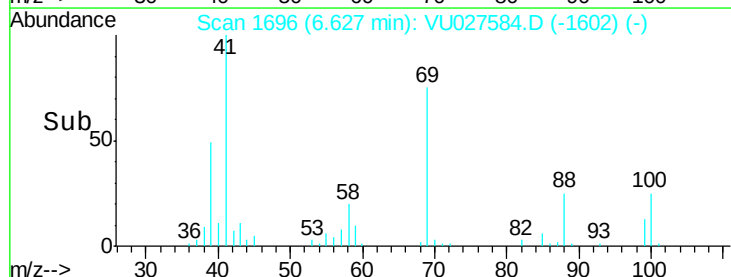
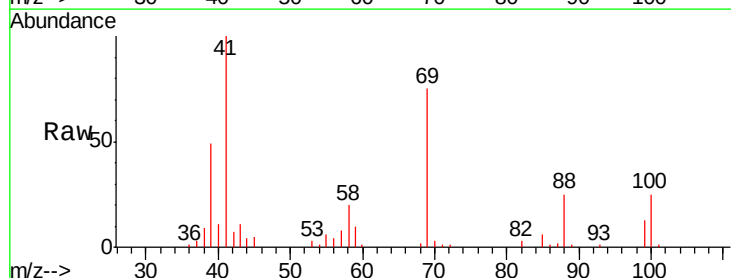
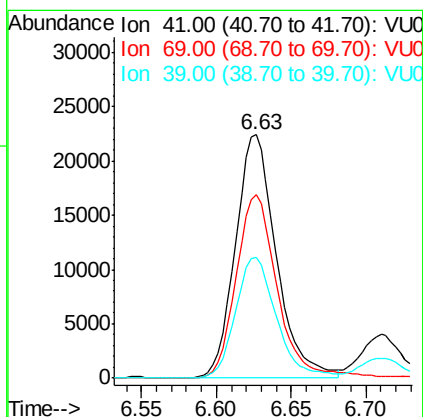
RT: 6.63 min Scan# 1696

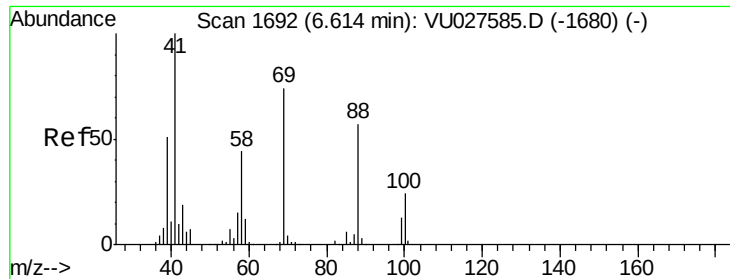
Delta R.T. 0.00 min

Lab File: VU027584.D

Acq: 11 Oct 2018 09:08

Tgt Ion:	41	Resp:	42798
Ion	Ratio	Lower	Upper
41	100		
69	76.2	61.0	91.4
39	49.4	39.9	59.9





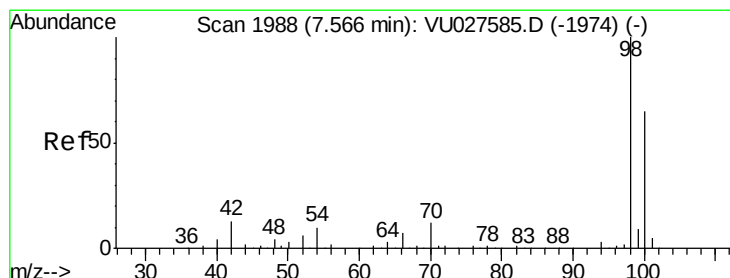
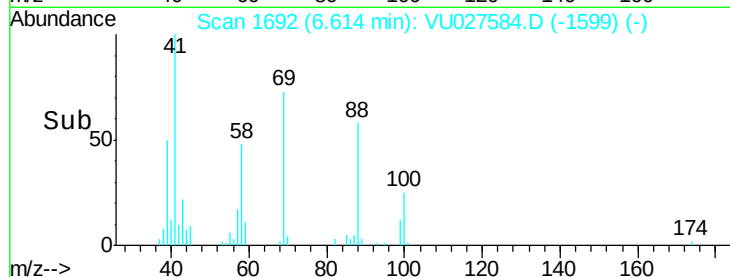
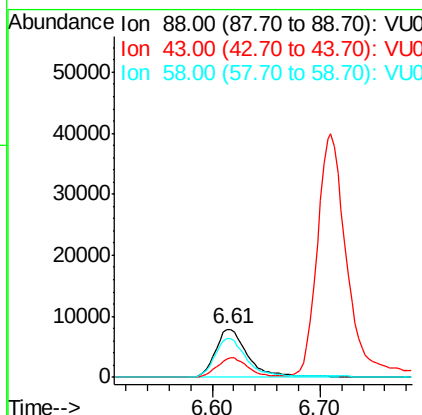
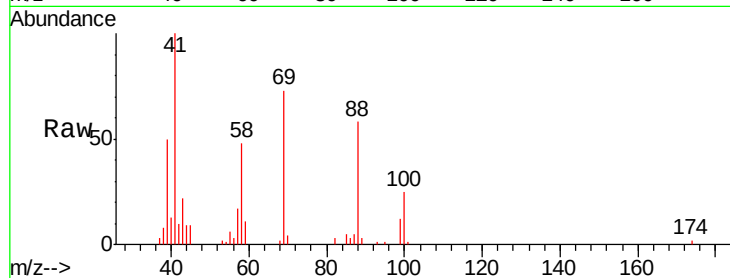
#49
1,4-Dioxane
Concen: 456.08 ug/l
RT: 6.61 min Scan# 1692
Delta R.T. -0.00 min
Lab File: VU027584.D
Acq: 11 Oct 2018 09:08

Instrument :
MSVOA_U
ClientSampleId :
VSTDIC020

Tgt Ion: 88 Resp: 16616
Ion Ratio Lower Upper
88 100
43 39.8 30.8 46.2
58 80.6 67.0 100.6

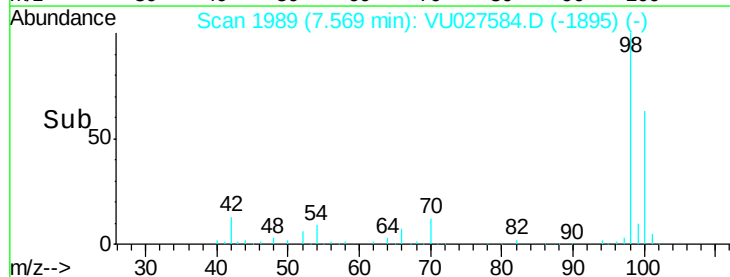
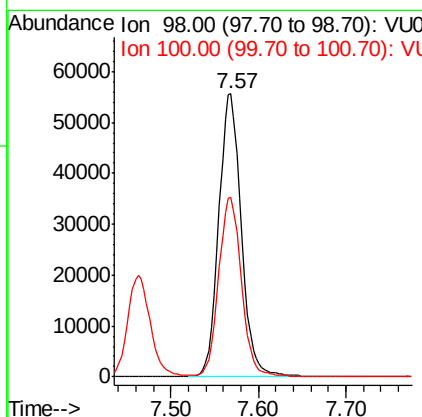
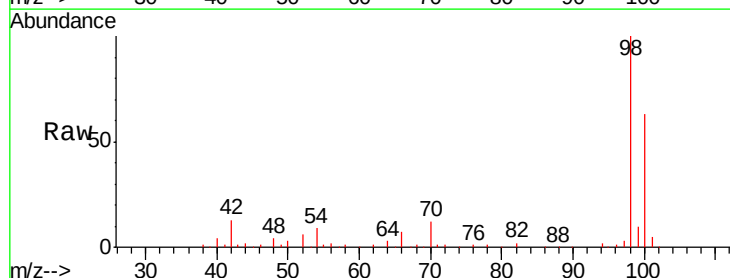
Manual Integrations
APPROVED

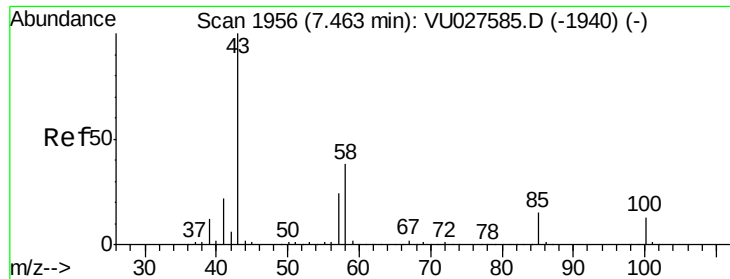
MMDadoda
10/16/2018 2:22:49 PM



#50
Toluene-d8
Concen: 19.89 ug/l
RT: 7.57 min Scan# 1989
Delta R.T. 0.00 min
Lab File: VU027584.D
Acq: 11 Oct 2018 09:08

Tgt Ion: 98 Resp: 99676
Ion Ratio Lower Upper
98 100
100 64.2 52.1 78.1





#51

4-Methyl-2-Pentanone

Concen: 105.25 ug/l

RT: 7.46 min Scan# 1956

Delta R.T. -0.00 min

Lab File: VU027584.D

Acq: 11 Oct 2018 09:08

Instrument :

MSVOA_U

ClientSampleId :

VSTDIC020

Tgt Ion: 43 Resp: 291201

Ion Ratio Lower Upper

43 100

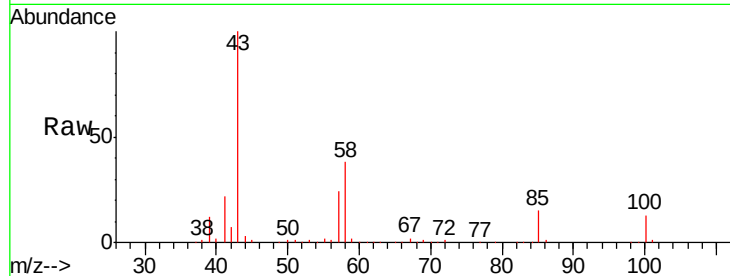
58 37.4 29.8 44.8

Manual Integrations

APPROVED

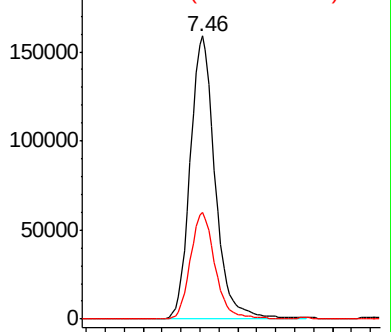
MMDadoda

10/16/2018 2:22:49 PM

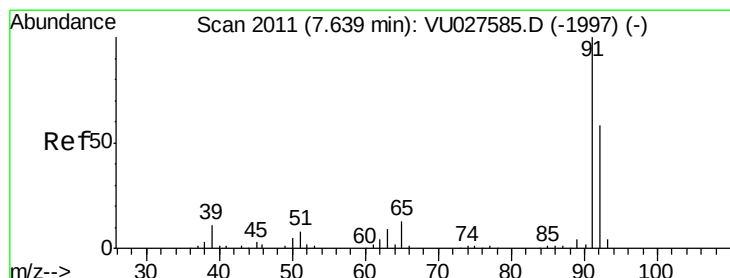
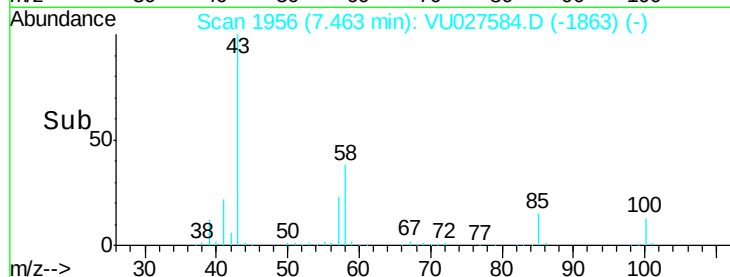


Abundance Ion 43.00 (42.70 to 43.70): VU0

Ion 58.00 (57.70 to 58.70): VU0



Time-->



#52

Toluene

Concen: 19.77 ug/l

RT: 7.64 min Scan# 2011

Delta R.T. -0.00 min

Lab File: VU027584.D

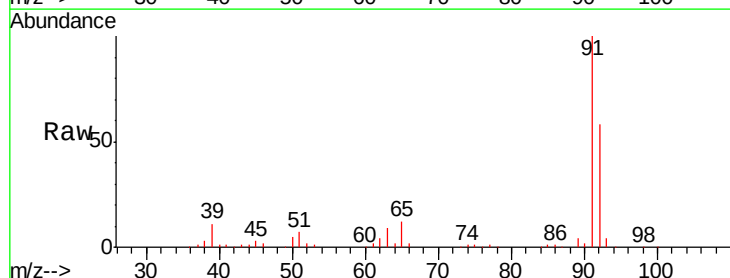
Acq: 11 Oct 2018 09:08

Tgt Ion: 92 Resp: 72320

Ion Ratio Lower Upper

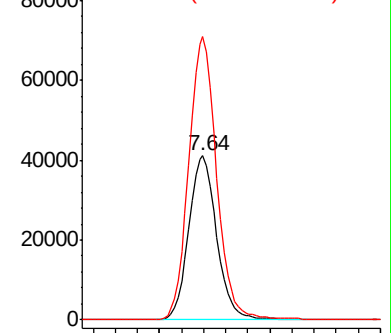
92 100

91 171.7 138.6 208.0

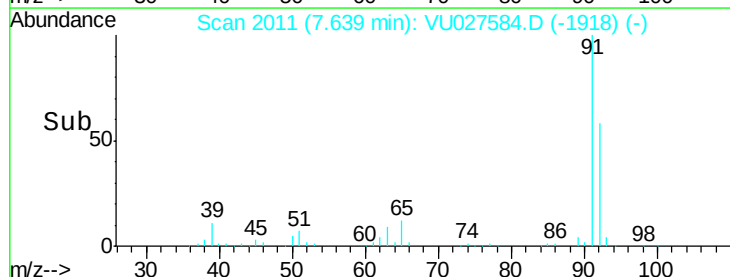


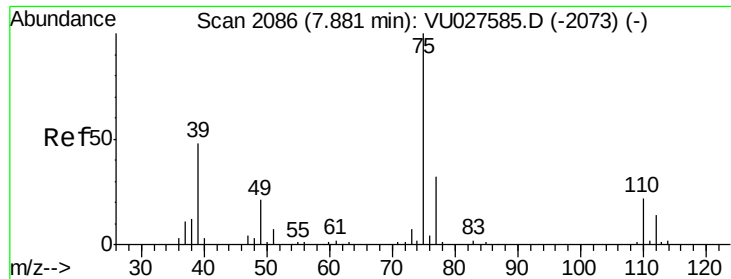
Abundance Ion 92.00 (91.70 to 92.70): VU0

Ion 91.00 (90.70 to 91.70): VU0



Time-->





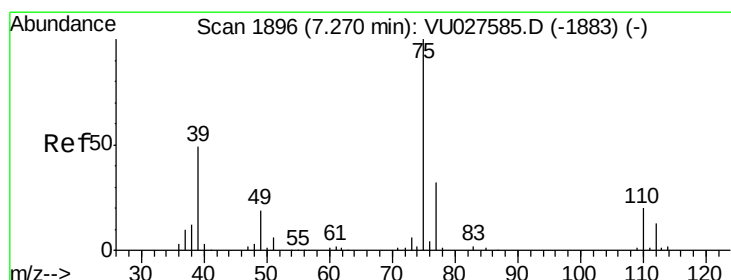
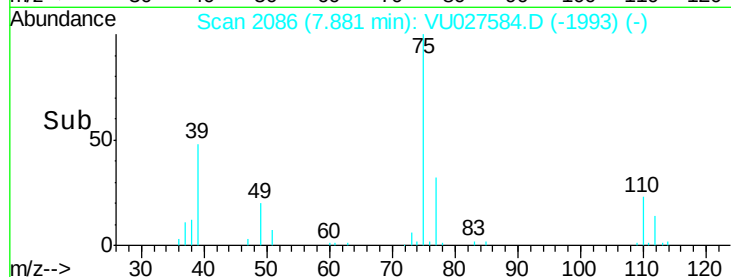
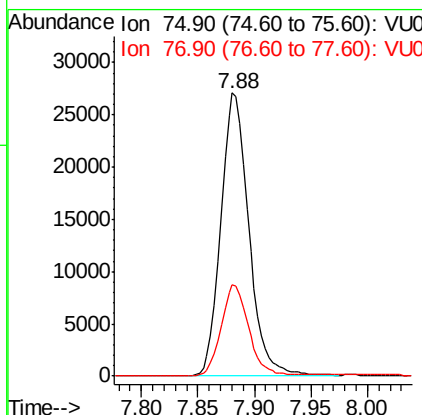
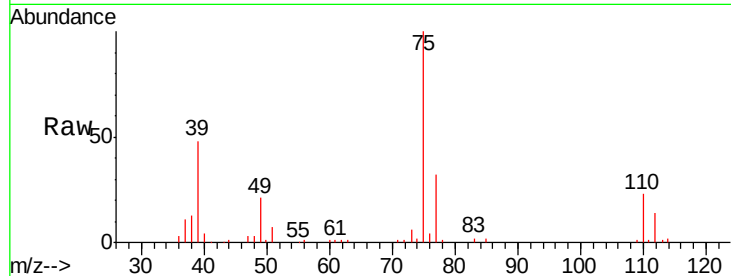
#53
t-1,3-Dichloropropene
Concen: 19.14 ug/l
RT: 7.88 min Scan# 2086
Delta R.T. -0.00 min
Lab File: VU027584.D
Acq: 11 Oct 2018 09:08

Instrument :
MSVOA_U
ClientSampleId :
VSTDIC020

Tgt Ion: 75 Resp: 46869
Ion Ratio Lower Upper
75 100
77 32.2 25.0 37.6

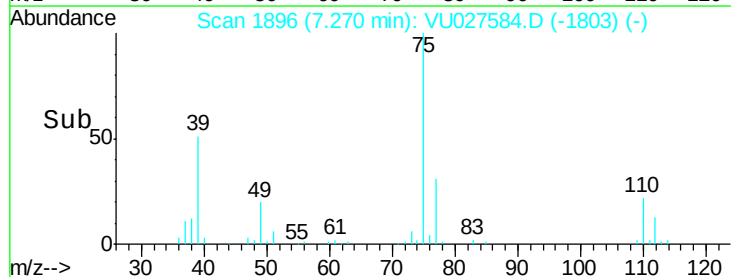
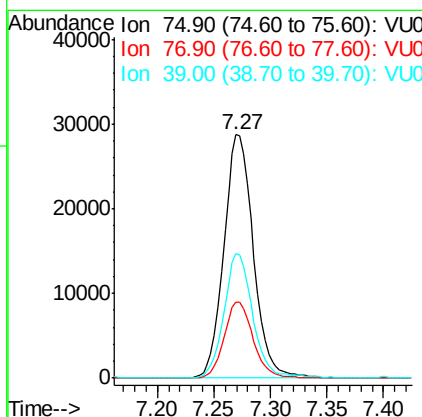
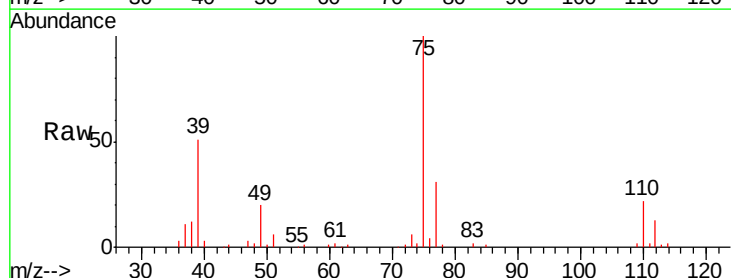
Manual Integrations
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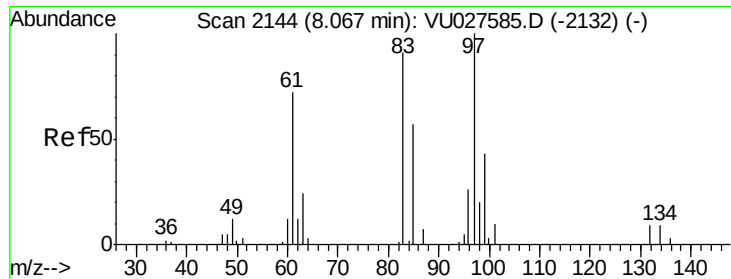
MMDadoda
10/16/2018 2:22:49 PM



#54
cis-1,3-Dichloropropene
Concen: 19.80 ug/l
RT: 7.27 min Scan# 1896
Delta R.T. -0.00 min
Lab File: VU027584.D
Acq: 11 Oct 2018 09:08

Tgt Ion: 75 Resp: 52118
Ion Ratio Lower Upper
75 100
77 31.0 24.5 36.7
39 51.4 40.1 60.1





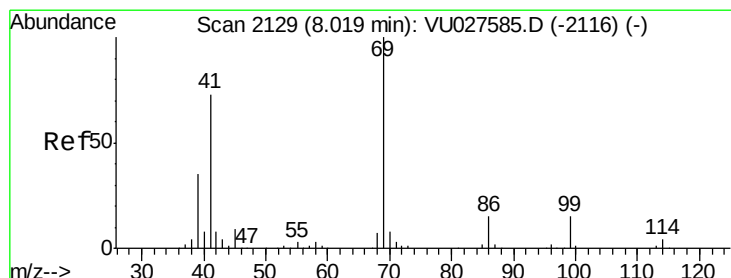
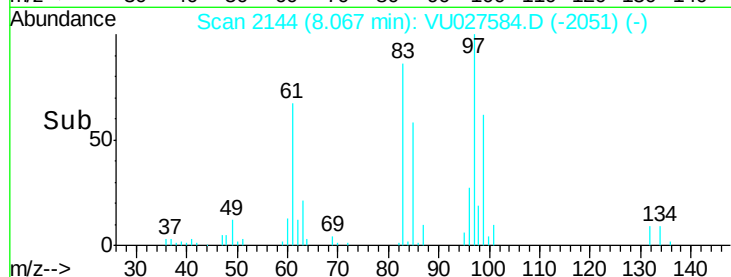
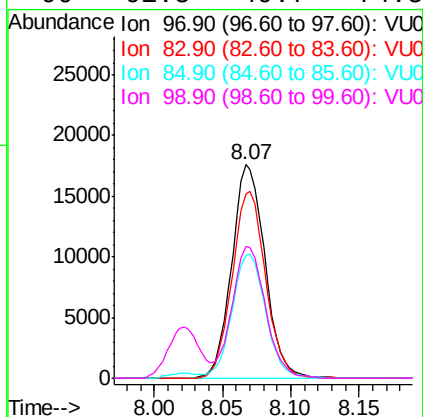
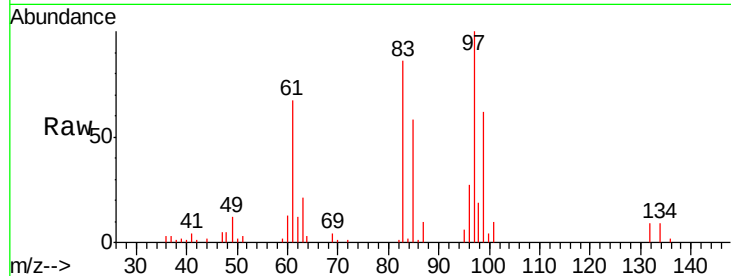
#55
1,1,2-Trichloroethane
Concen: 20.56 ug/l
RT: 8.07 min Scan# 2144
Delta R.T. -0.00 min
Lab File: VU027584.D
Acq: 11 Oct 2018 09:08

Instrument :
MSVOA_U
ClientSampleId :
VSTDIC020

Tgt Ion:	97	Resp:	29820
Ion	Ratio	Lower	Upper
97	100		
83	86.3	73.0	109.6
85	57.8	47.3	70.9
99	61.5	49.7	74.5

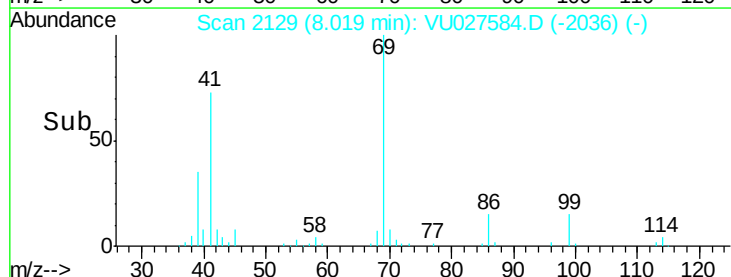
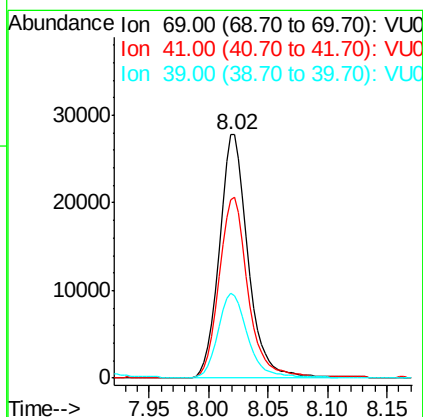
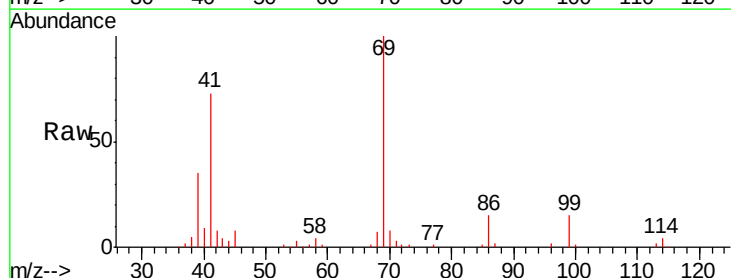
Manual Integrations
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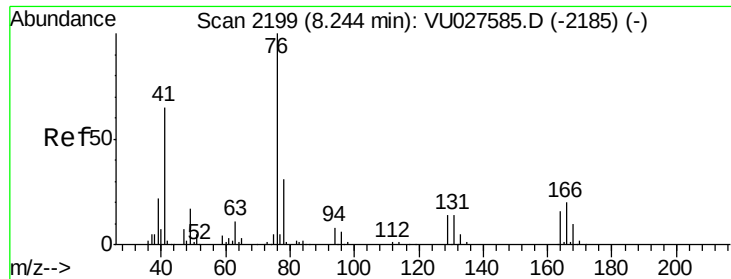
MMDadoda
10/16/2018 2:22:49 PM



#56
Ethyl methacrylate
Concen: 19.32 ug/l
RT: 8.02 min Scan# 2129
Delta R.T. -0.00 min
Lab File: VU027584.D
Acq: 11 Oct 2018 09:08

Tgt Ion:	69	Resp:	46483
Ion	Ratio	Lower	Upper
69	100		
41	75.1	60.0	90.0
39	36.1	29.5	44.3





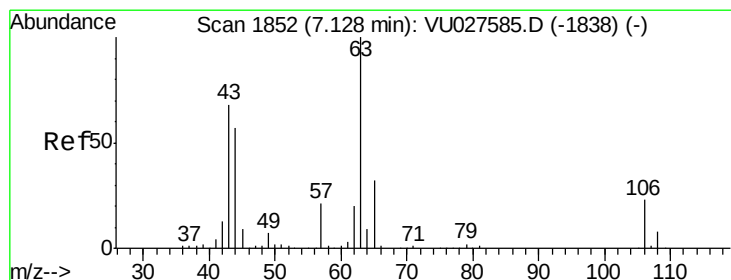
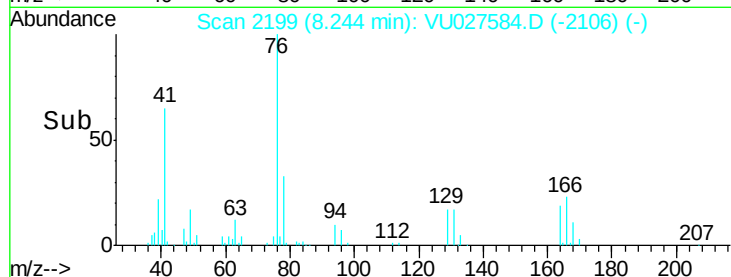
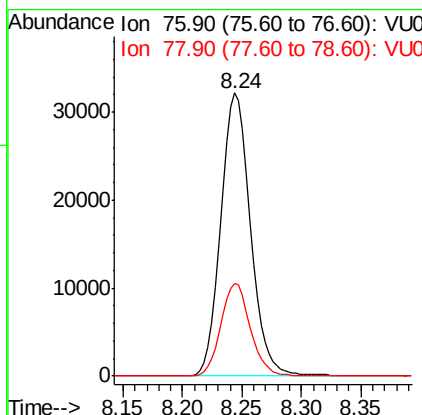
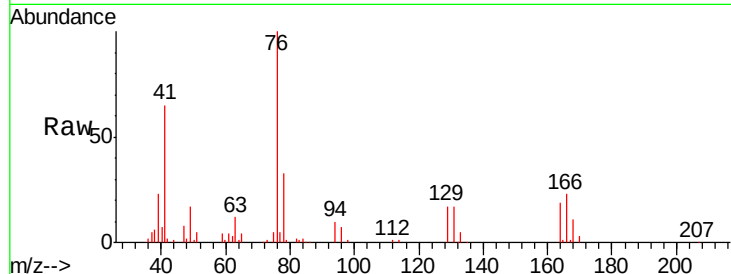
#57
 1,3-Dichloropropane
 Concen: 19.80 ug/l
 RT: 8.24 min Scan# 2199
 Delta R.T. -0.00 min
 Lab File: VU027584.D
 Acq: 11 Oct 2018 09:08

Instrument :
 MSVOA_U
 ClientSampleId :
 VSTDIC020

Tgt Ion: 76 Resp: 55742
 Ion Ratio Lower Upper
 76 100
 78 32.4 25.8 38.6

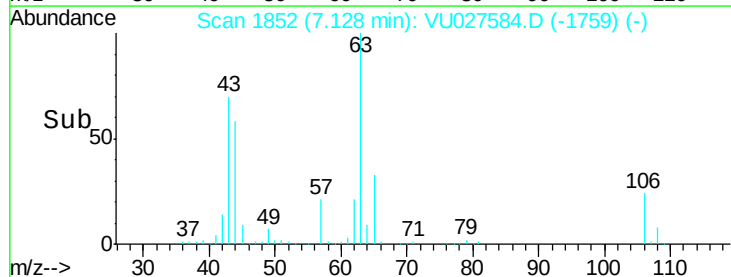
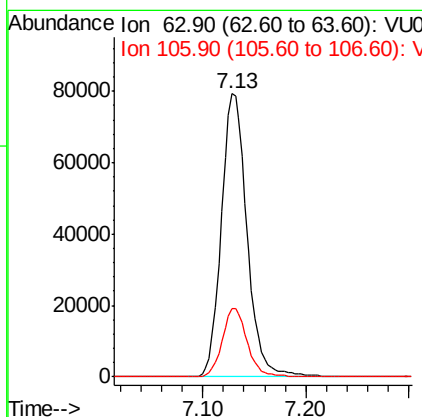
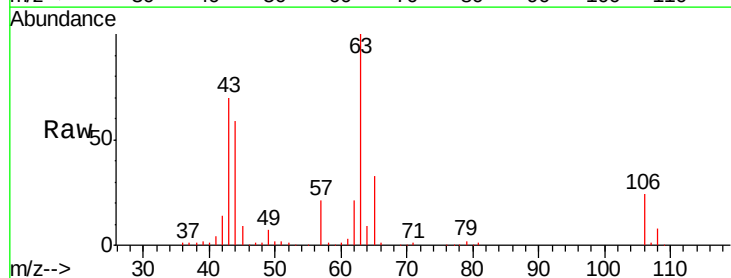
Manual Integrations
 APPROVED

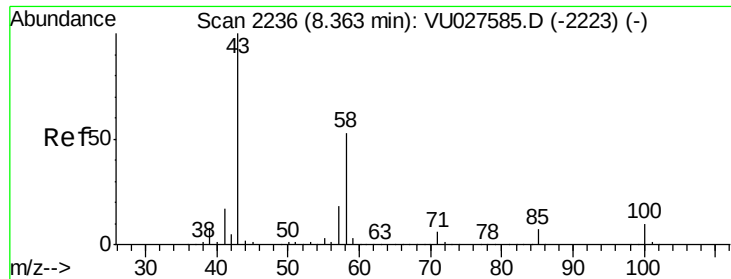
MMDadoda
 10/16/2018 2:22:49 PM



#58
 2-Chloroethyl Vinyl ether
 Concen: 102.33 ug/l
 RT: 7.13 min Scan# 1852
 Delta R.T. -0.00 min
 Lab File: VU027584.D
 Acq: 11 Oct 2018 09:08

Tgt Ion: 63 Resp: 137567
 Ion Ratio Lower Upper
 63 100
 106 23.7 18.5 27.7





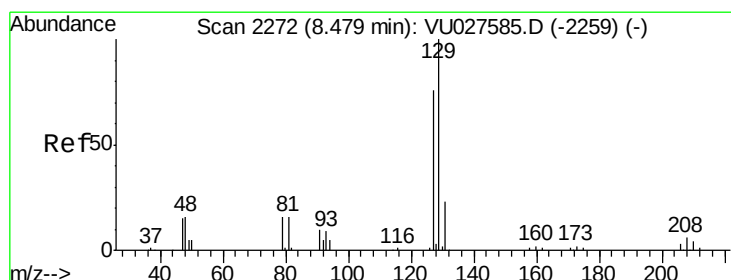
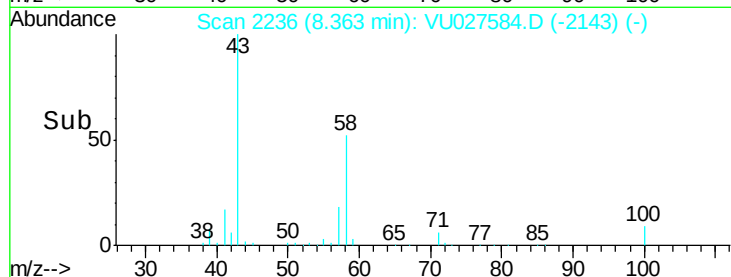
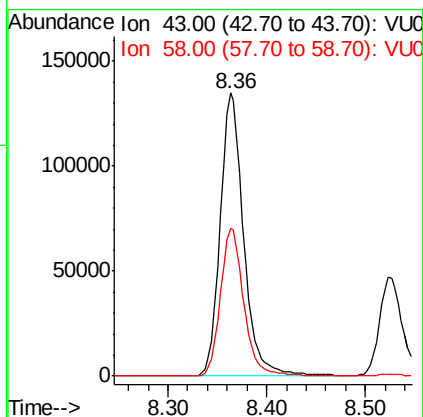
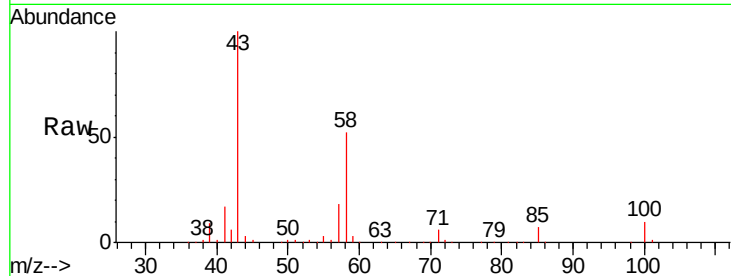
#59
2-Hexanone
Concen: 105.15 ug/l
RT: 8.36 min Scan# 2236
Delta R.T. -0.00 min
Lab File: VU027584.D
Acq: 11 Oct 2018 09:08

Instrument :
MSVOA_U
ClientSampleId :
VSTDIC020

Tgt Ion: 43 Resp: 225693
Ion Ratio Lower Upper
43 100
58 52.1 26.1 78.3

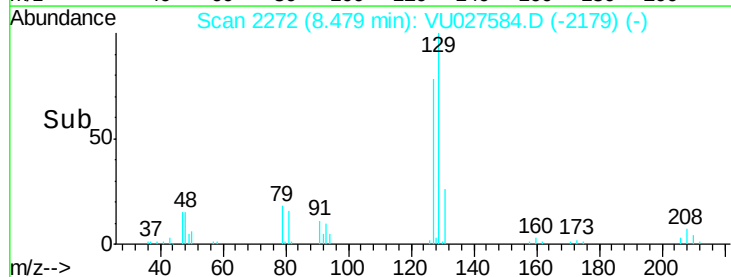
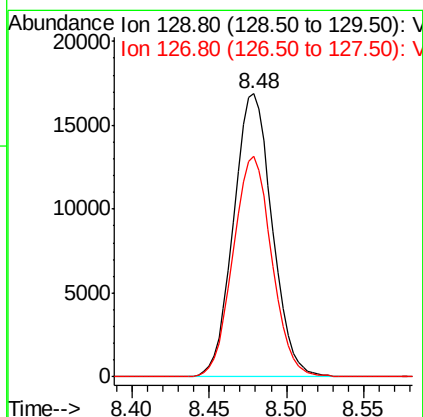
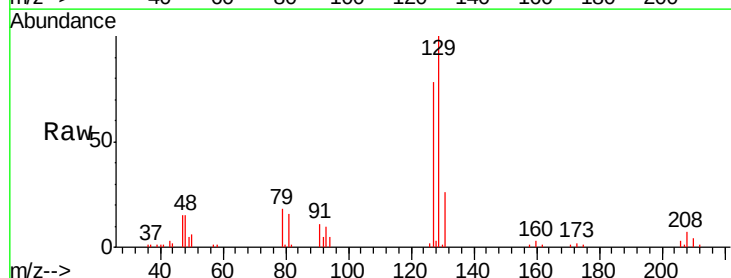
Manual Integrations
APPROVED

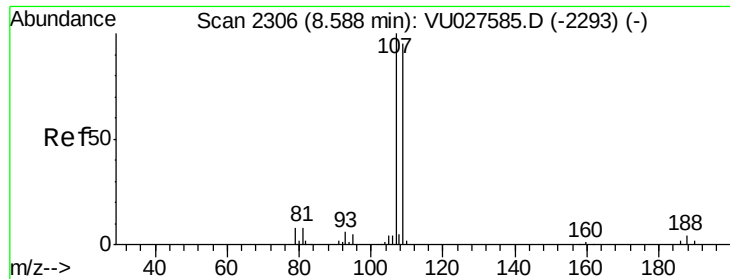
MMDadoda
10/16/2018 2:22:49 PM



#60
Dibromochloromethane
Concen: 20.13 ug/l
RT: 8.48 min Scan# 2272
Delta R.T. -0.00 min
Lab File: VU027584.D
Acq: 11 Oct 2018 09:08

Tgt Ion: 129 Resp: 29278
Ion Ratio Lower Upper
129 100
127 78.2 39.1 117.2





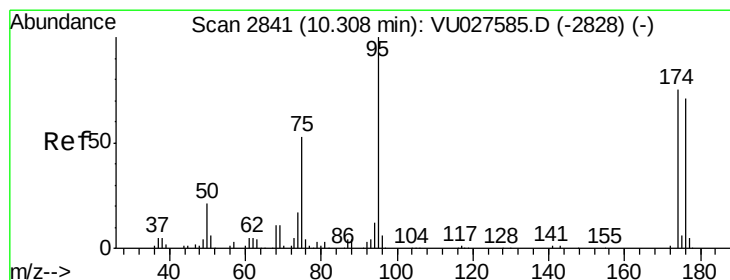
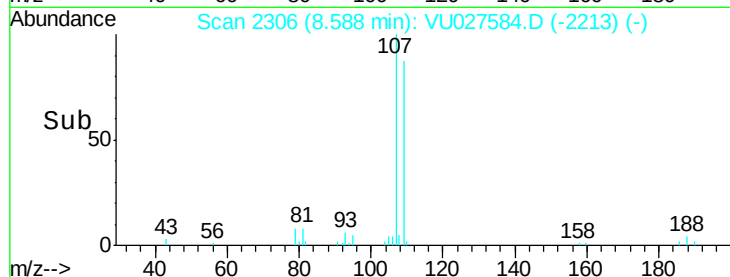
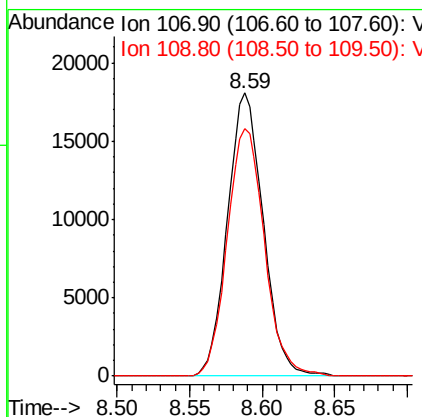
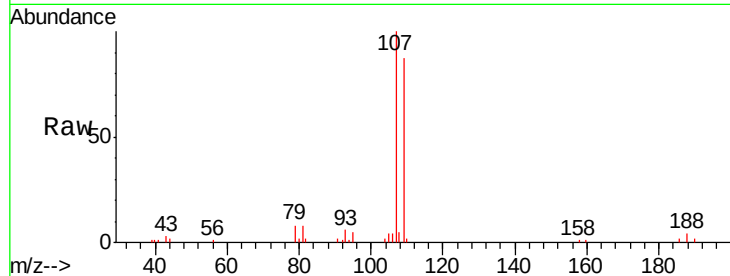
#61
 1,2-Dibromoethane
 Concen: 20.04 ug/l
 RT: 8.59 min Scan# 2306
 Delta R.T. -0.00 min
 Lab File: VU027584.D
 Acq: 11 Oct 2018 09:08

Instrument :
 MSVOA_U
 ClientSampleId :
 VSTDIC020

Tgt Ion: 107 Resp: 30890
 Ion Ratio Lower Upper
 107 100
 109 90.9 74.5 111.7

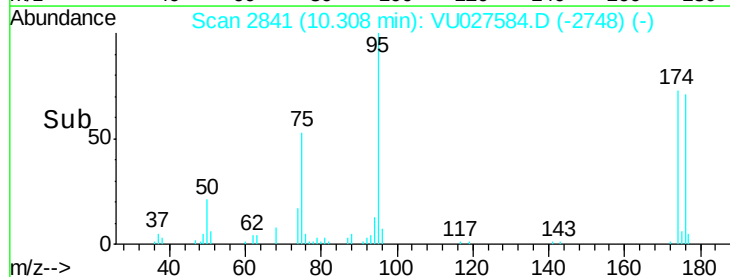
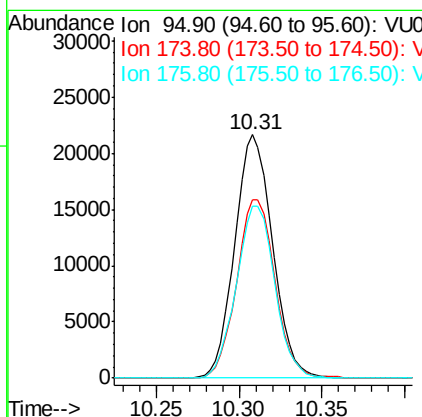
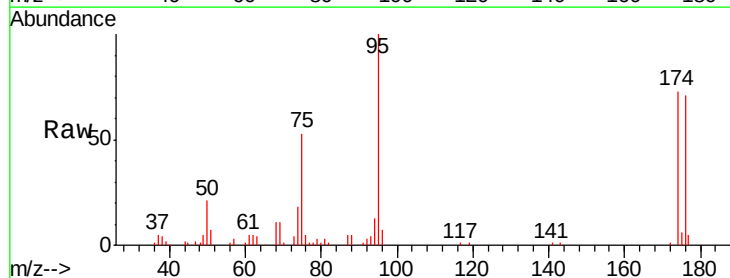
Manual Integrations
 APPROVED

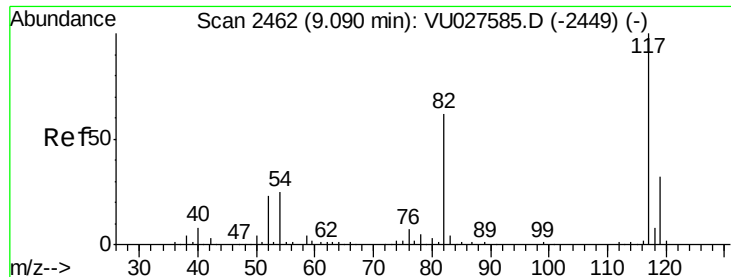
MMDadoda
 10/16/2018 2:22:49 PM



#62
 4-Bromofluorobenzene
 Concen: 18.47 ug/l
 RT: 10.31 min Scan# 2841
 Delta R.T. -0.00 min
 Lab File: VU027584.D
 Acq: 11 Oct 2018 09:08

Tgt Ion: 95 Resp: 34397
 Ion Ratio Lower Upper
 95 100
 174 74.6 0.0 147.8
 176 72.0 0.0 140.8





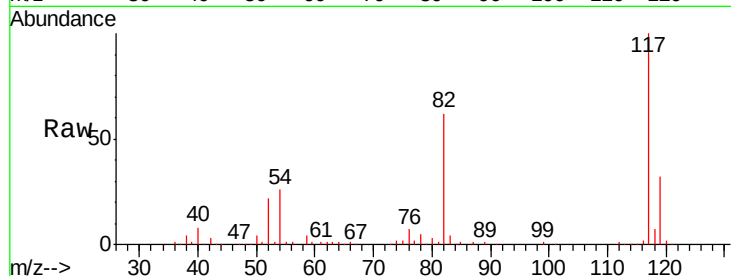
#63
Chlorobenzene-d5
Concen: 50.00 ug/l
RT: 9.09 min Scan# 2462
Delta R.T. -0.00 min
Lab File: VU027584.D
Acq: 11 Oct 2018 09:08

Instrument :
MSVOA_U
ClientSampleId :
VSTDIC020

Tgt Ion	Ratio	Resp	Lower	Upper
117	100	178540		
82	61.7	49.2	73.8	
119	31.8	25.7	38.5	

Manual Integrations
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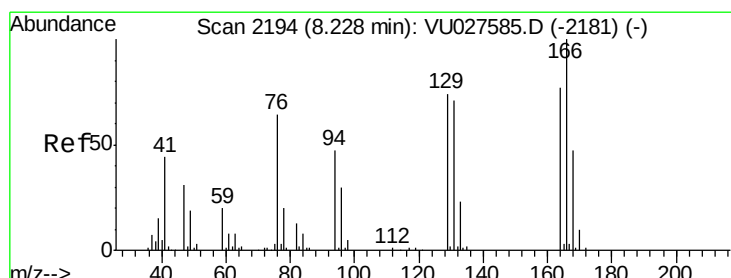
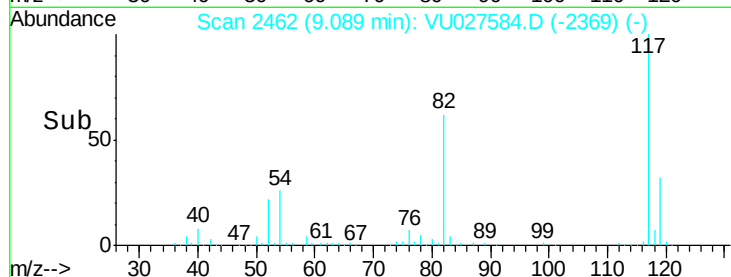
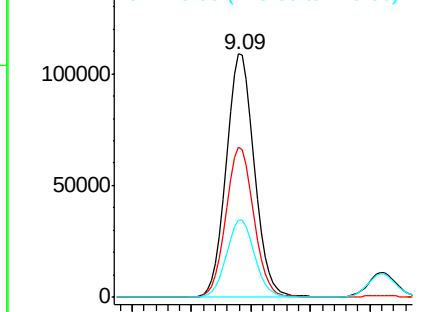


Abundance

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: 20.99 ug/l
RT: 8.23 min Scan# 2195
Delta R.T. 0.00 min
Lab File: VU027584.D
Acq: 11 Oct 2018 09:08

Tgt Ion	Ratio	Resp	Lower	Upper
164	100	23331		
166	125.4	101.0	151.6	
129	91.7	78.0	117.0	
131	87.7	72.6	109.0	

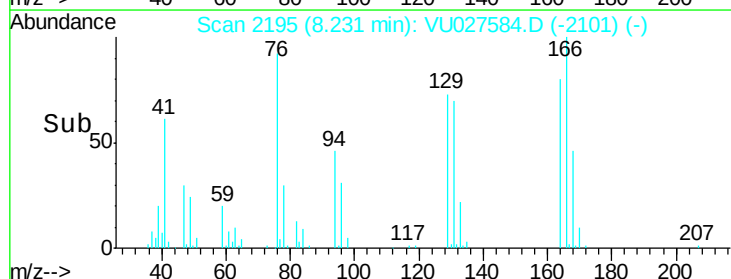
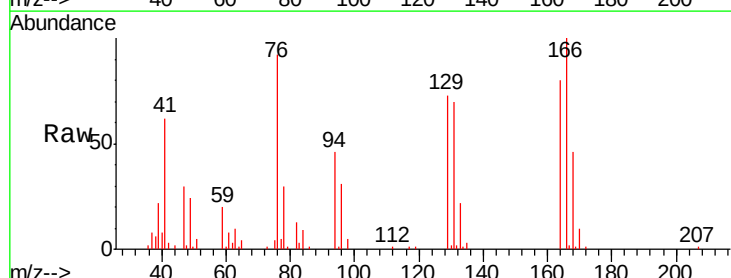
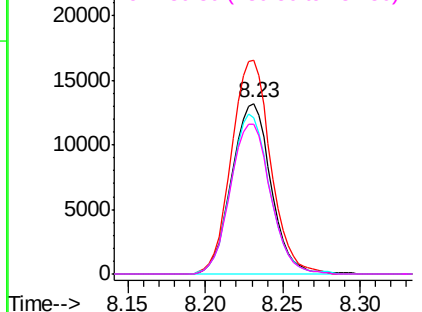
Abundance

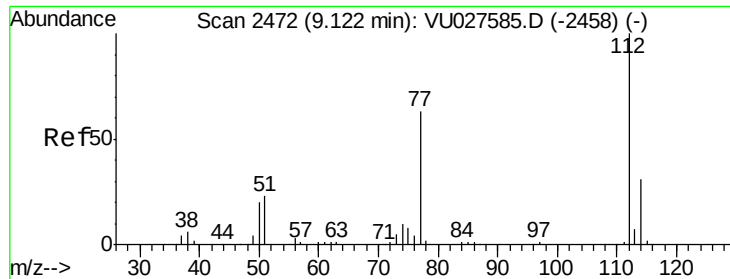
Ion 163.80 (163.50 to 164.50): V

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





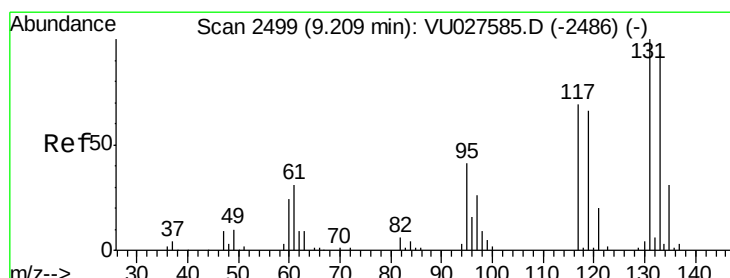
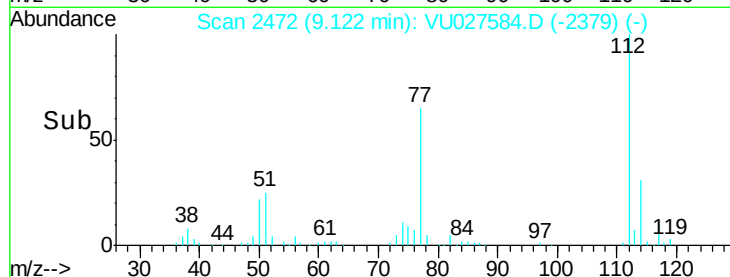
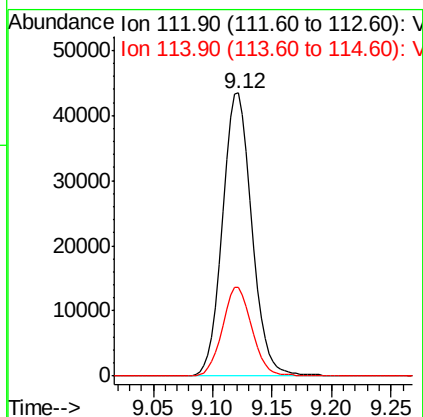
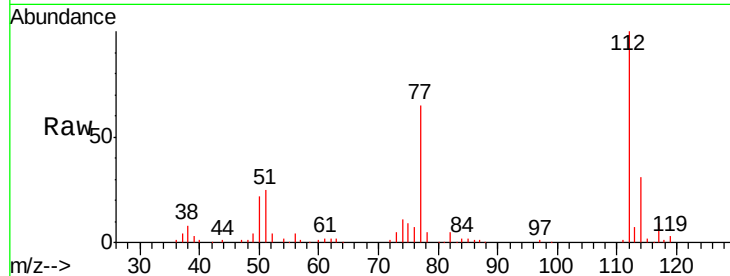
#65
Chlorobenzene
Concen: 19.79 ug/l
RT: 9.12 min Scan# 2472
Delta R.T. -0.00 min
Lab File: VU027584.D
Acq: 11 Oct 2018 09:08

Instrument :
MSVOA_U
ClientSampleId :
VSTDIC020

Tgt Ion:112 Resp: 74379
Ion Ratio Lower Upper
112 100
114 31.4 25.8 38.6

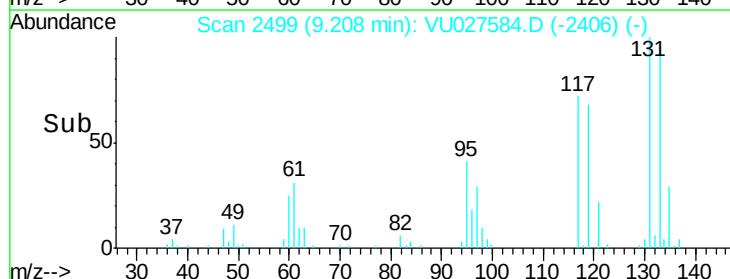
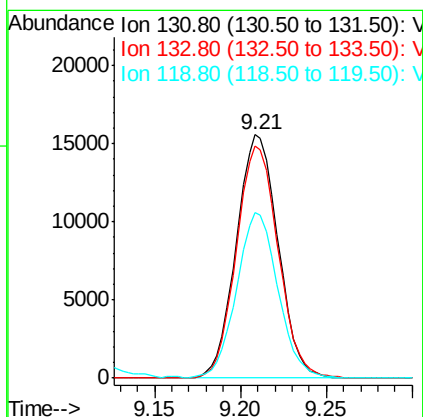
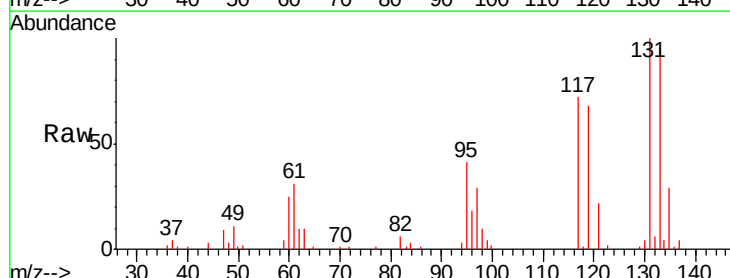
Manual Integrations
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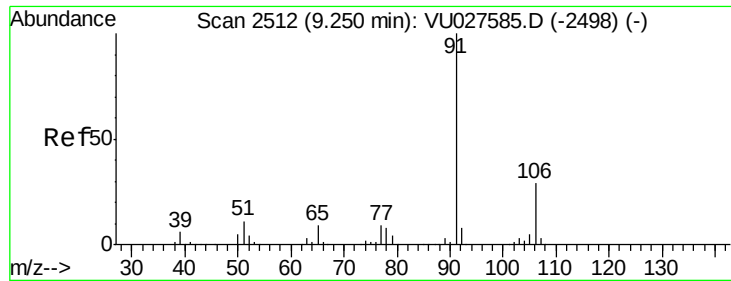
MMDadoda
10/16/2018 2:22:49 PM



#66
1,1,1,2-Tetrachloroethane
Concen: 20.23 ug/l
RT: 9.21 min Scan# 2499
Delta R.T. -0.00 min
Lab File: VU027584.D
Acq: 11 Oct 2018 09:08

Tgt Ion:131 Resp: 26242
Ion Ratio Lower Upper
131 100
133 95.7 48.5 145.6
119 67.4 33.5 100.4





#67

Ethyl Benzene

Concen: 19.61 ug/l

RT: 9.25 min Scan# 2512

Delta R.T. -0.00 min

Lab File: VU027584.D

Acq: 11 Oct 2018 09:08

Instrument :

MSVOA_U

ClientSampleId :

VSTDIC020

Tgt Ion: 91 Resp: 130556

Ion Ratio Lower Upper

91 100

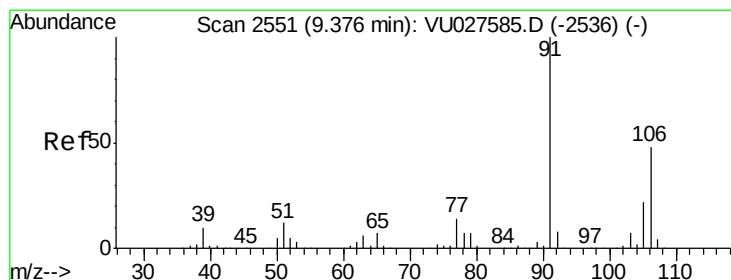
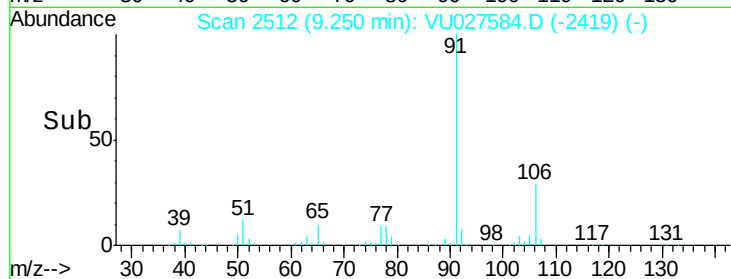
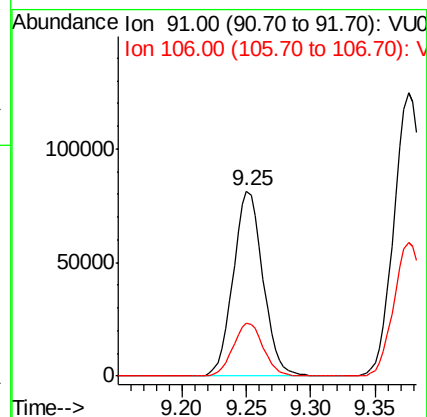
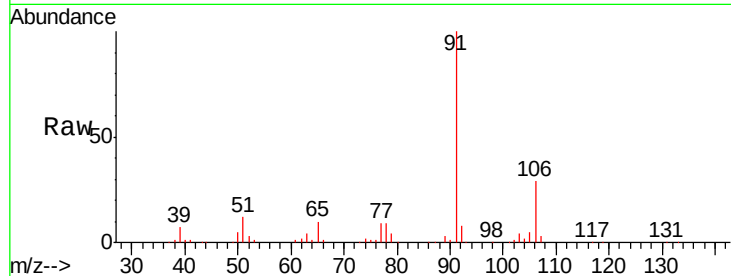
106 28.5 23.6 35.4

Manual Integrations

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10/16/2018 2:22:49 PM



#68

m/p-Xylenes

Concen: 40.17 ug/l

RT: 9.38 min Scan# 2551

Delta R.T. -0.00 min

Lab File: VU027584.D

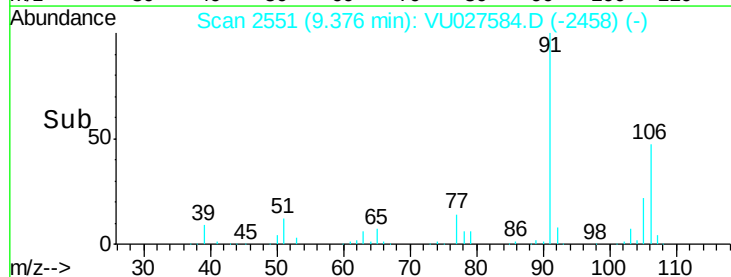
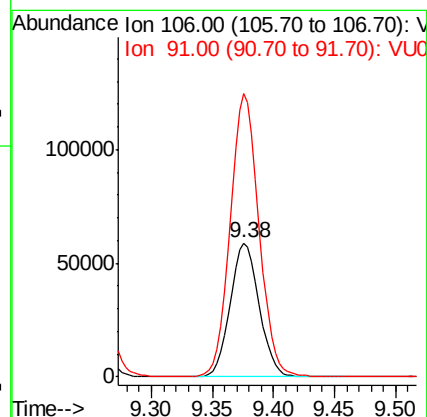
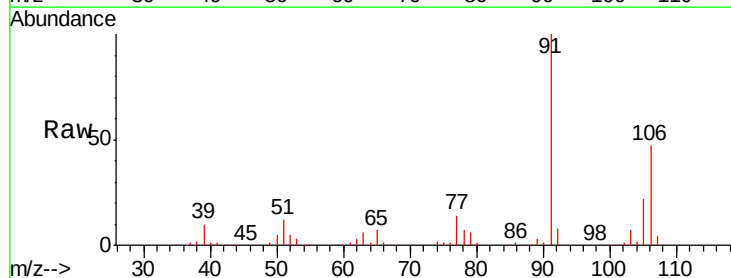
Acq: 11 Oct 2018 09:08

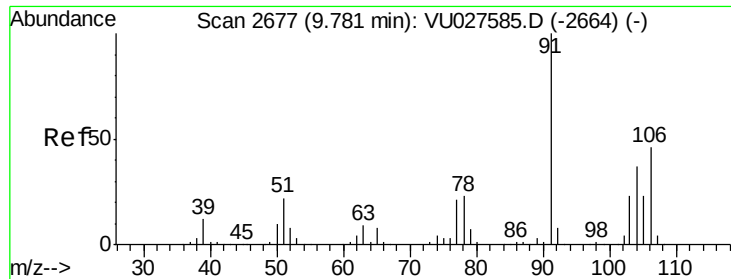
Tgt Ion: 106 Resp: 97846

Ion Ratio Lower Upper

106 100

91 211.1 168.1 252.1





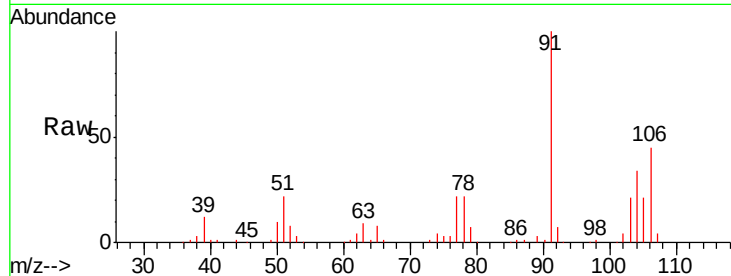
#69
o-Xylene
Concen: 20.15 ug/l
RT: 9.78 min Scan# 2677
Delta R.T. -0.00 min
Lab File: VU027584.D
Acq: 11 Oct 2018 09:08

Instrument :
MSVOA_U
ClientSampleId :
VSTDIC020

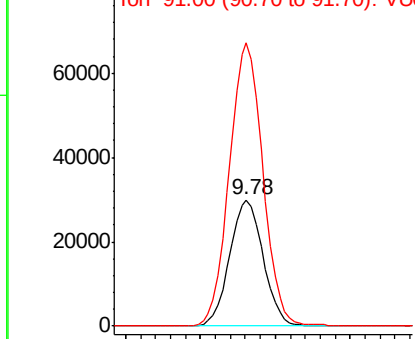
Tgt Ion:106 Resp: 46642
Ion Ratio Lower Upper
106 100
91 224.7 111.7 334.9

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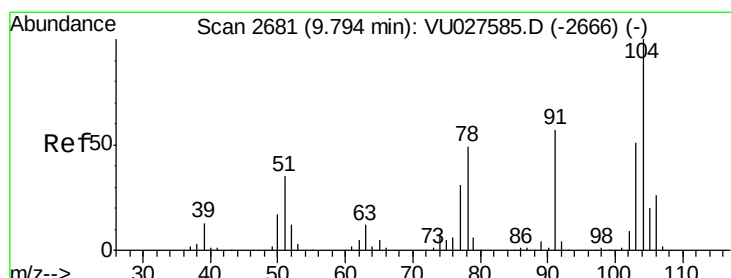
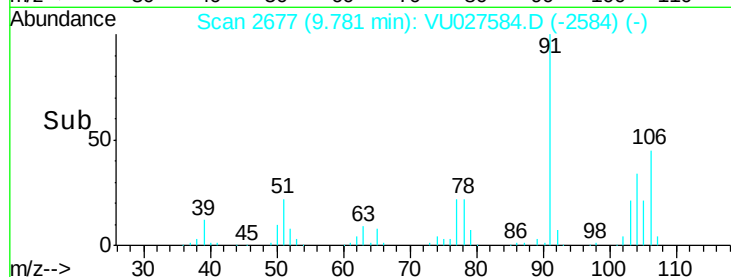
MMDadoda
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Abundance Ion 106.00 (105.70 to 106.70): V
Ion 91.00 (90.70 to 91.70): VU0

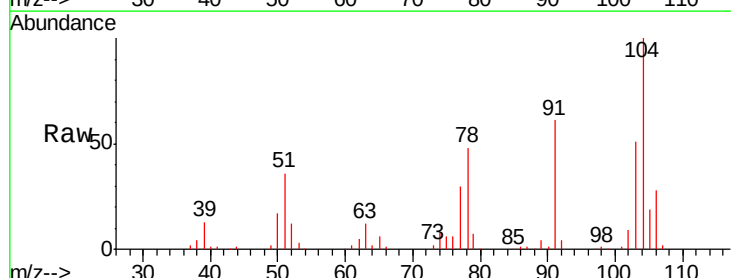


Time-->

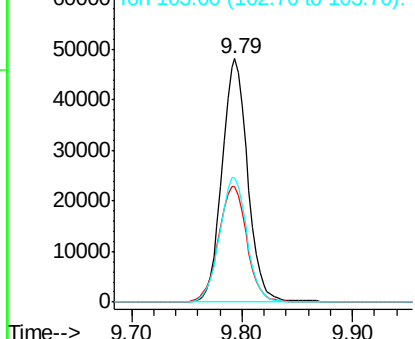


#70
Styrene
Concen: 20.44 ug/l
RT: 9.79 min Scan# 2681
Delta R.T. -0.00 min
Lab File: VU027584.D
Acq: 11 Oct 2018 09:08

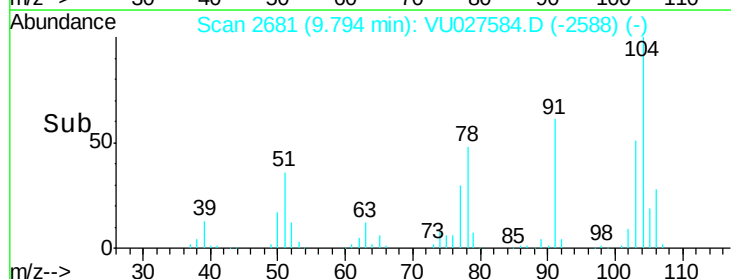
Tgt Ion:104 Resp: 77669
Ion Ratio Lower Upper
104 100
78 52.4 42.9 64.3
103 54.4 43.9 65.9

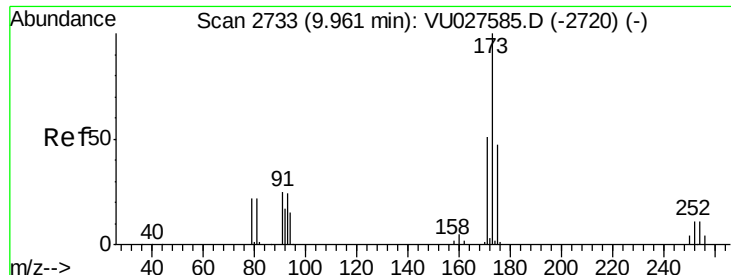


Abundance Ion 104.00 (103.70 to 104.70): V
Ion 78.00 (77.70 to 78.70): VU0
Ion 103.00 (102.70 to 103.70): V



Time-->





#71

Bromoform

Concen: 20.20 ug/l

RT: 9.96 min Scan# 2733

Delta R.T. -0.00 min

Lab File: VU027584.D

Acq: 11 Oct 2018 09:08

Instrument :

MSVOA_U

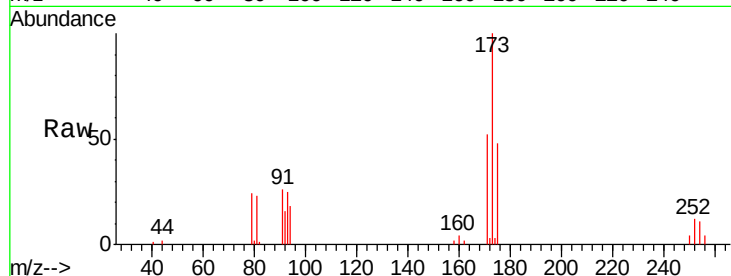
ClientSampleId :

VSTDIC020

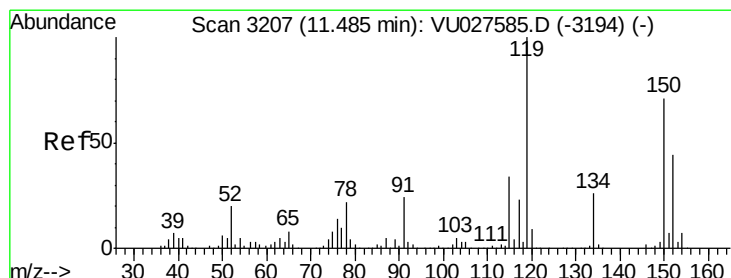
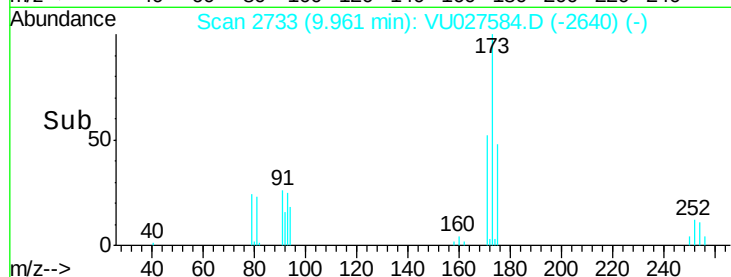
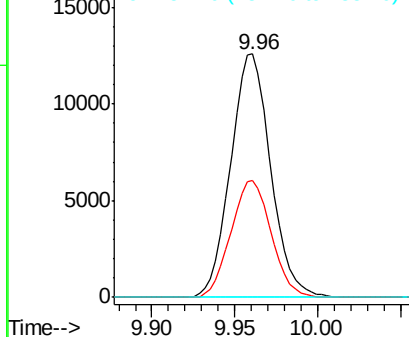
Tgt Ion:	173	Resp:	21086
Ion Ratio	Lower	Upper	
173	100		
175	48.1	24.3	73.0
254	0.0	0.0	0.0

Manual Integrations
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Abundance Ion 172.70 (172.40 to 173.40): V
Ion 174.70 (174.40 to 175.40): V
Ion 254.40 (254.10 to 255.10): V



#72

1,4-Dichlorobenzene-d4

Concen: 50.00 ug/l

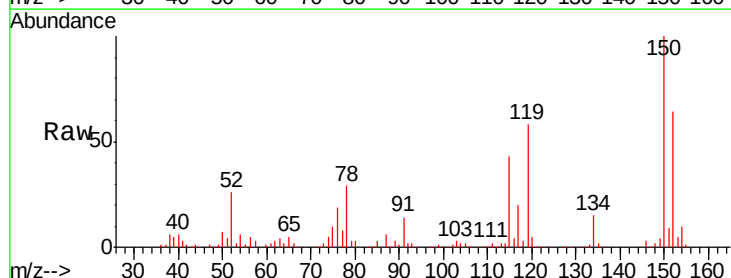
RT: 11.48 min Scan# 3207

Delta R.T. -0.00 min

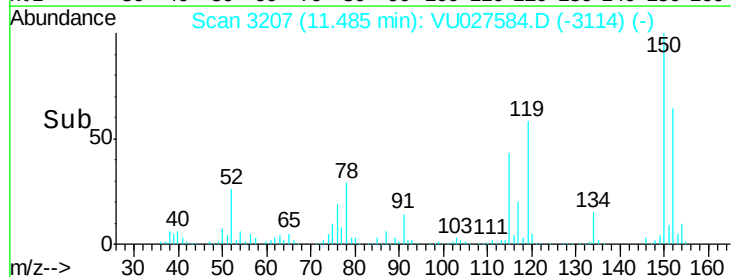
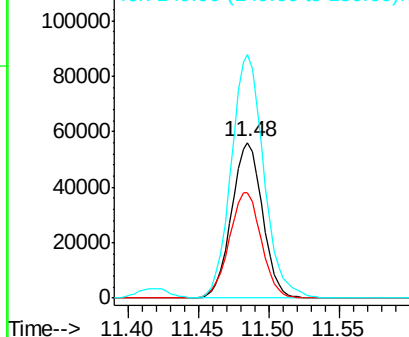
Lab File: VU027584.D

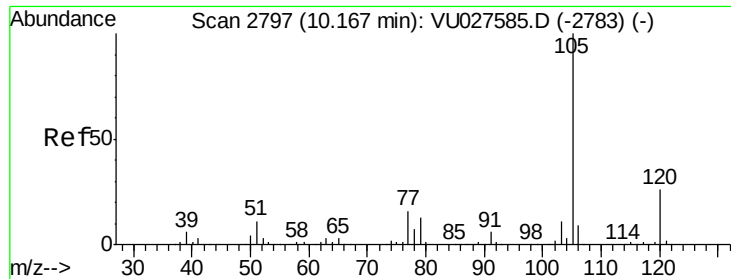
Acq: 11 Oct 2018 09:08

Tgt Ion:	152	Resp:	86328
Ion Ratio	Lower	Upper	
152	100		
115	69.9	43.4	130.2
150	164.9	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





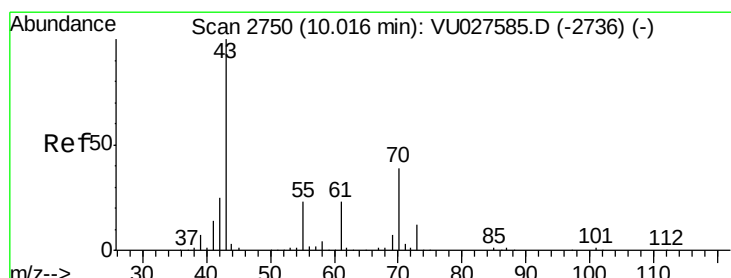
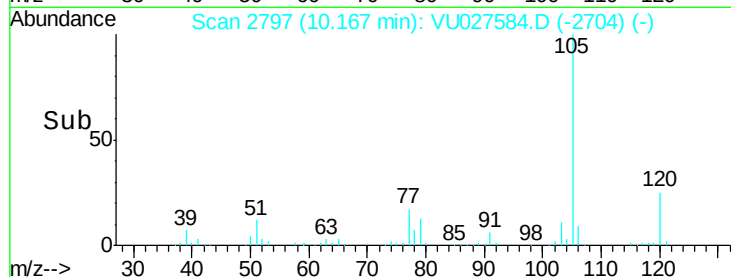
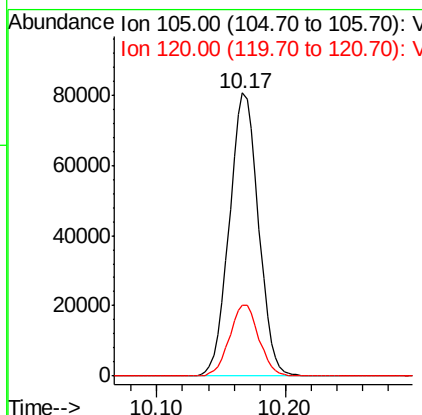
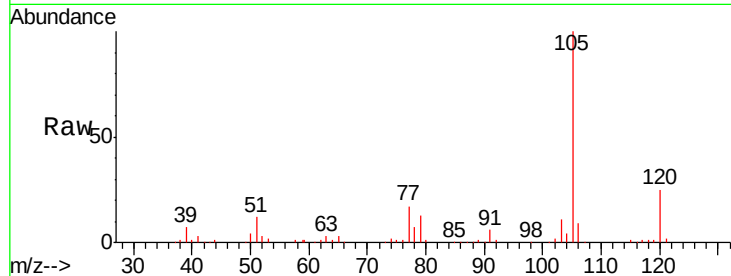
#73
Isopropylbenzene
Concen: 20.14 ug/l
RT: 10.17 min Scan# 2797
Delta R.T. -0.00 min
Lab File: VU027584.D
Acq: 11 Oct 2018 09:08

Instrument :
MSVOA_U
ClientSampleId :
VSTDIC020

Tgt Ion: 105 Resp: 126271
Ion Ratio Lower Upper
105 100
120 25.3 12.6 37.8

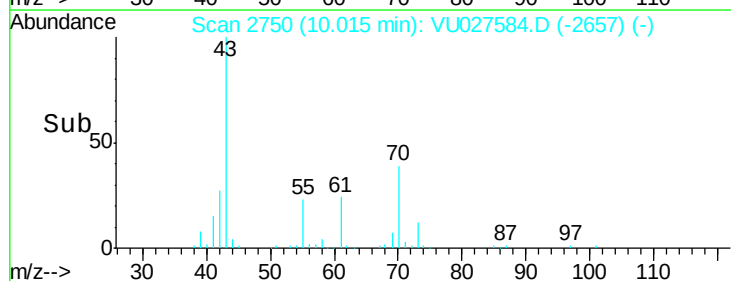
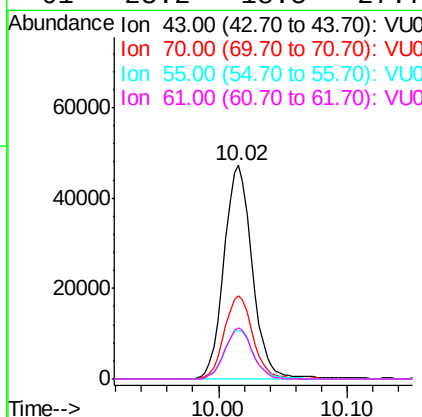
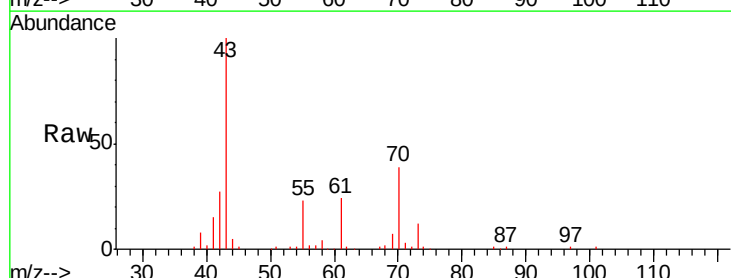
Manual Integrations
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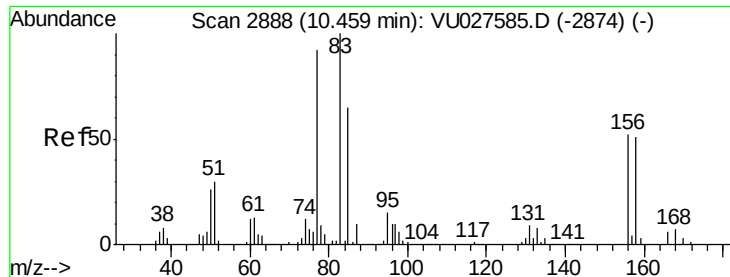
MMDadoda
10/16/2018 2:22:49 PM



#74
N-ethyl acetate
Concen: 20.07 ug/l
RT: 10.02 min Scan# 2750
Delta R.T. -0.00 min
Lab File: VU027584.D
Acq: 11 Oct 2018 09:08

Tgt Ion: 43 Resp: 72044
Ion Ratio Lower Upper
43 100
70 39.0 31.3 46.9
55 23.8 19.0 28.6
61 23.2 18.5 27.7





#75

1,1,2,2-Tetrachloroethane

Concen: 20.44 ug/l

RT: 10.46 min Scan# 2888

Delta R.T. -0.00 min

Lab File: VU027584.D

Acq: 11 Oct 2018 09:08

Instrument :

MSVOA_U

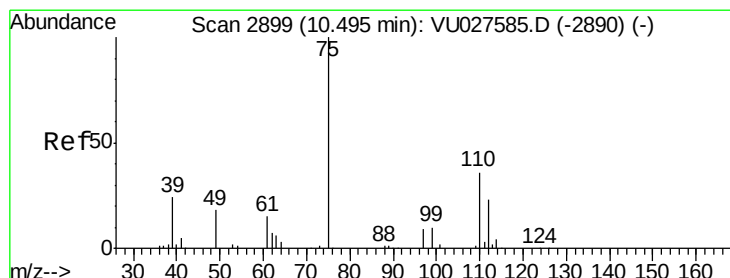
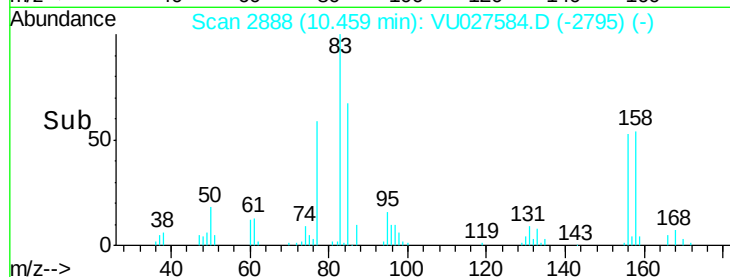
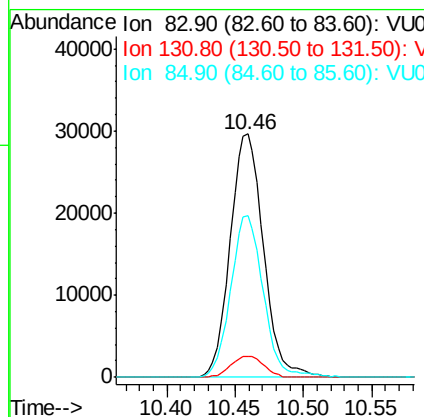
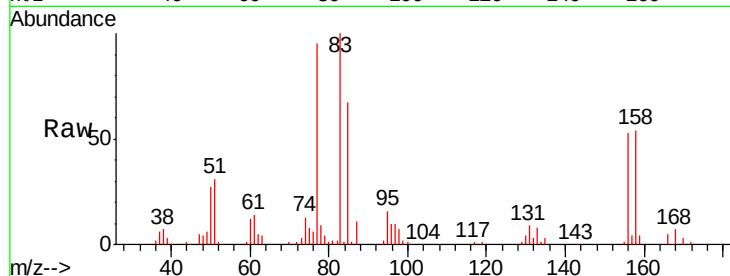
ClientSampleId :

VSTDIC020

Tgt Ion:	83	Resp:	50324
Ion Ratio	Lower	Upper	
83	100		
131	8.6	4.4	13.2
85	64.9	32.0	96.0

Manual Integrations
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#76

1,2,3-Trichloropropane

Concen: 21.02 ug/l m

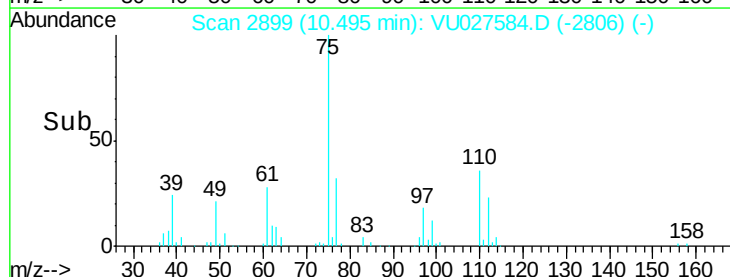
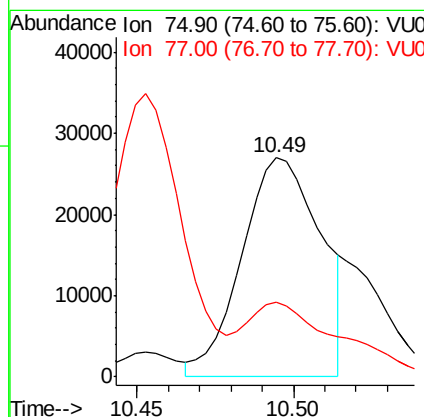
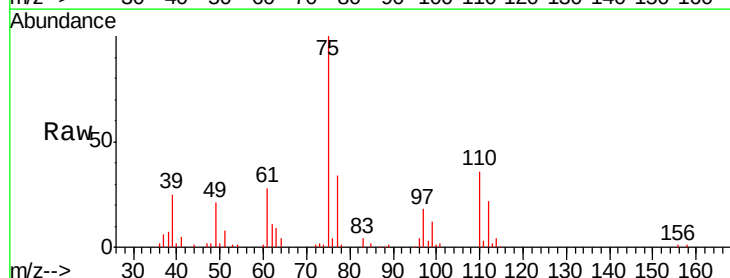
RT: 10.49 min Scan# 2899

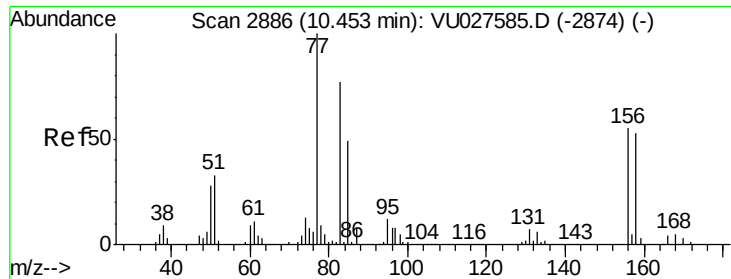
Delta R.T. -0.00 min

Lab File: VU027584.D

Acq: 11 Oct 2018 09:08

Tgt Ion:	75	Resp:	47043
Ion Ratio	Lower	Upper	
75	100		
77	41.9	20.3	60.9





#77

Bromobenzene

Concen: 20.09 ug/l

RT: 10.45 min Scan# 2886

Delta R.T. -0.00 min

Lab File: VU027584.D

Acq: 11 Oct 2018 09:08

Instrument :

MSVOA_U

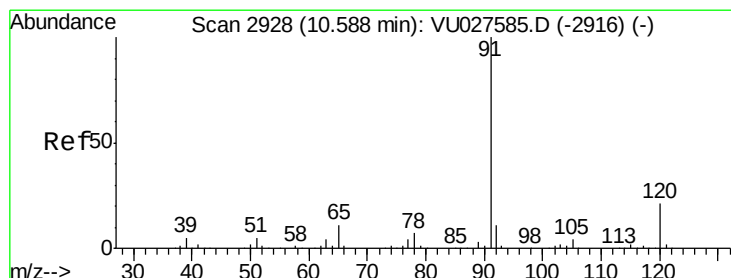
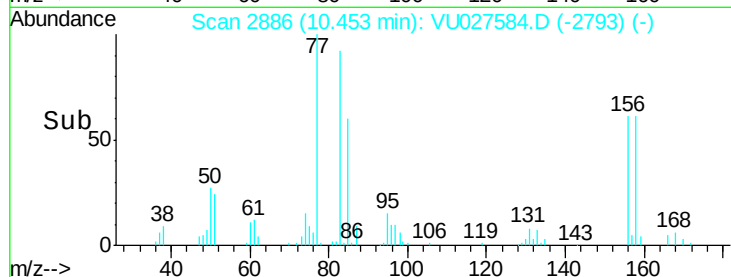
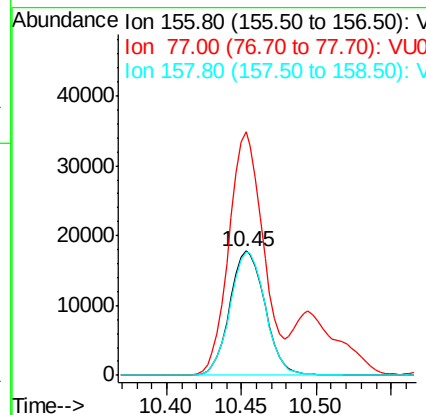
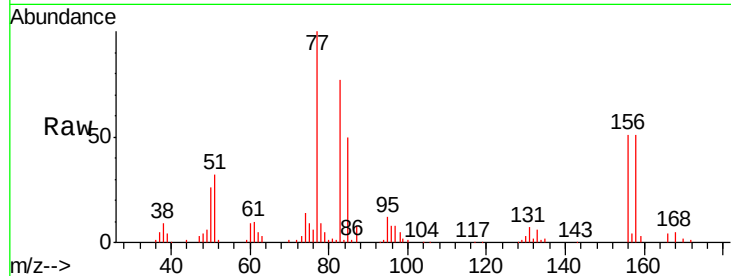
ClientSampleId :

VSTDIC020

Tgt Ion	Ratio	Lower	Upper
156	100		
77	190.3	94.8	284.4
158	99.1	47.4	142.3

Manual Integrations
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#78

n-propylbenzene

Concen: 20.12 ug/l

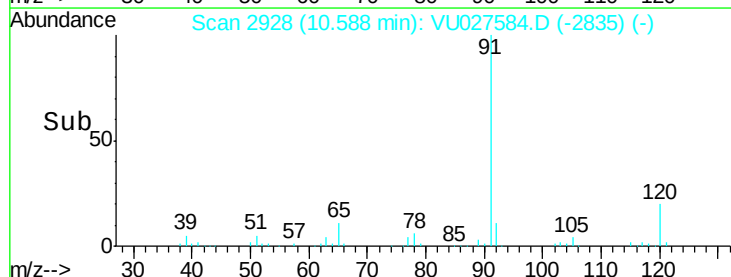
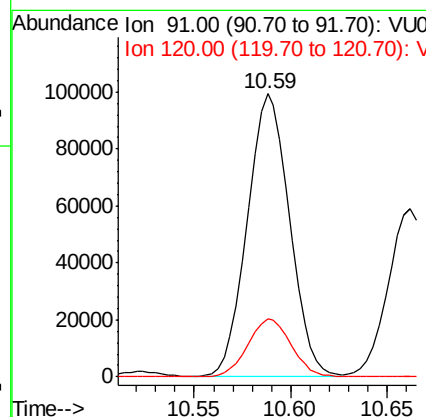
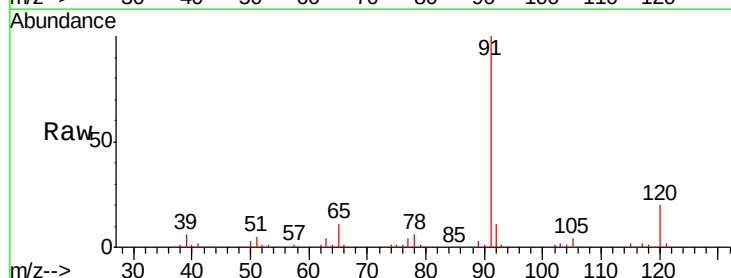
RT: 10.59 min Scan# 2928

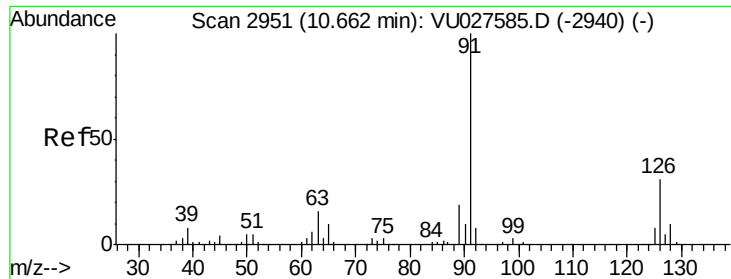
Delta R.T. -0.00 min

Lab File: VU027584.D

Acq: 11 Oct 2018 09:08

Tgt Ion	Ratio	Lower	Upper
91	100		
120	20.9	10.6	31.8





#79

2-Chlorotoluene

Concen: 20.12 ug/l

RT: 10.66 min Scan# 2951

Delta R.T. -0.00 min

Lab File: VU027584.D

Acq: 11 Oct 2018 09:08

Instrument :

MSVOA_U

ClientSampleId :

VSTDIC020

Tgt Ion: 91 Resp: 91507

Ion Ratio Lower Upper

91 100

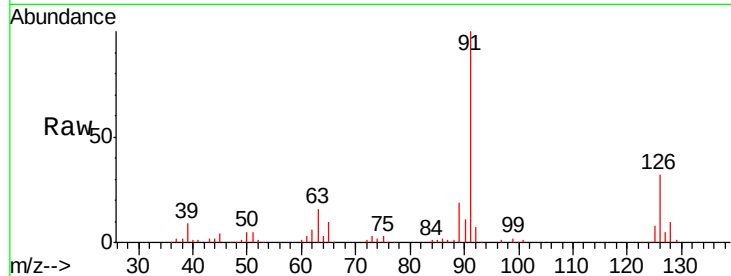
126 31.5 15.7 47.1

Manual Integrations

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Abundance Ion 91.00 (90.70 to 91.70): VU027585.D (-2940) (-)

Ion 125.90 (125.60 to 126.60): VU027585.D (-2940) (-)

100000

80000

60000

40000

20000

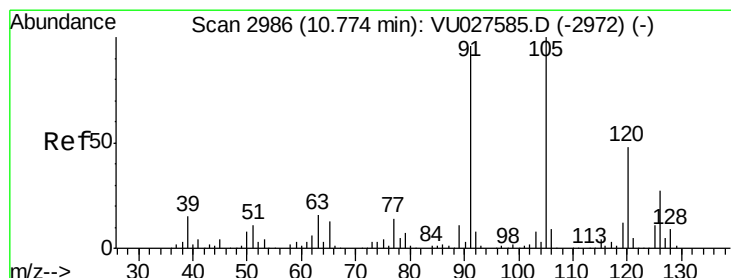
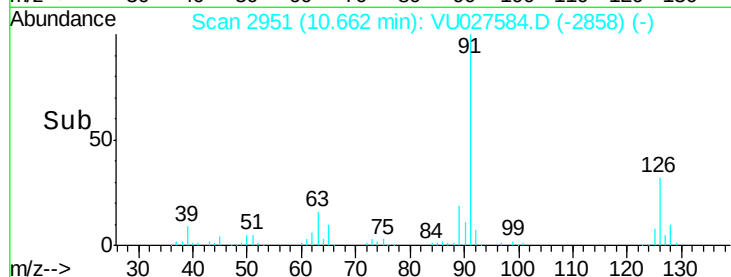
0

10.60

10.65

10.70

Time-->



#80

1,3,5-Trimethylbenzene

Concen: 20.59 ug/l

RT: 10.77 min Scan# 2986

Delta R.T. -0.00 min

Lab File: VU027584.D

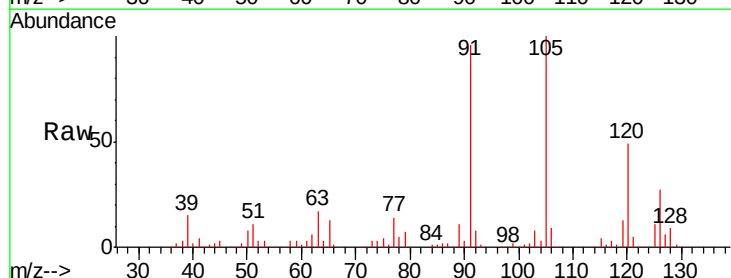
Acq: 11 Oct 2018 09:08

Tgt Ion: 105 Resp: 105106

Ion Ratio Lower Upper

105 100

120 48.5 24.1 72.4



Abundance Ion 105.00 (104.70 to 105.70): VU027585.D (-2972) (-)

Ion 120.00 (119.70 to 120.70): VU027585.D (-2972) (-)

80000

60000

40000

20000

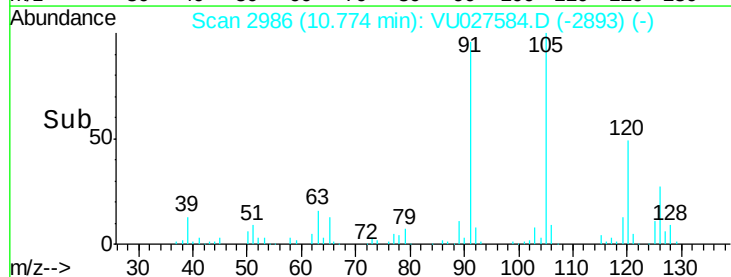
0

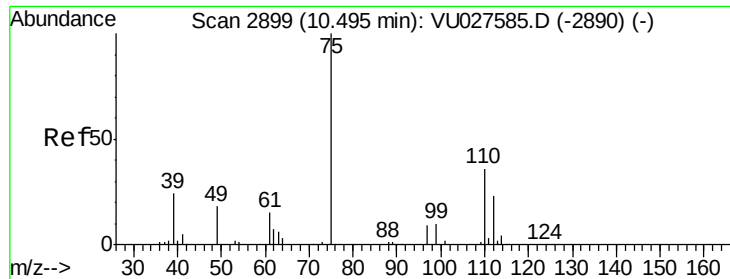
10.70

10.75

10.80

Time-->





#81

trans-1,4-Dichloro-2-butene

Concen: 20.14 ug/l m

RT: 10.51 min Scan# 2904

Delta R.T. 0.02 min

Lab File: VU027584.D

Acq: 11 Oct 2018 09:08

Instrument :

MSVOA_U

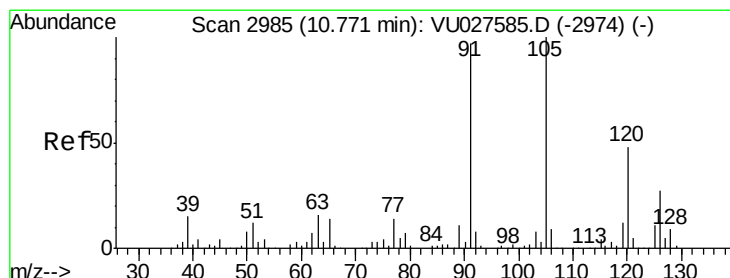
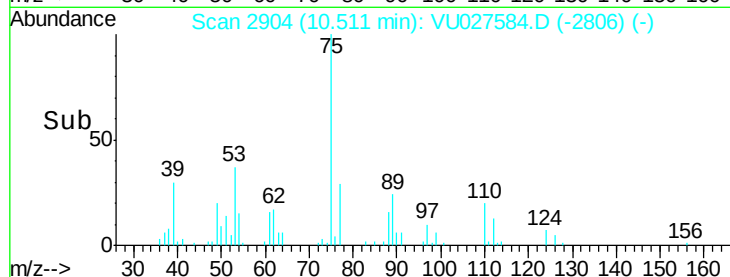
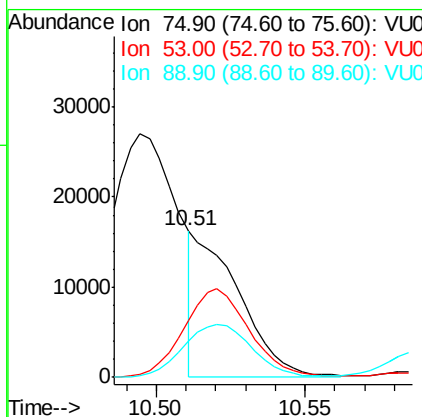
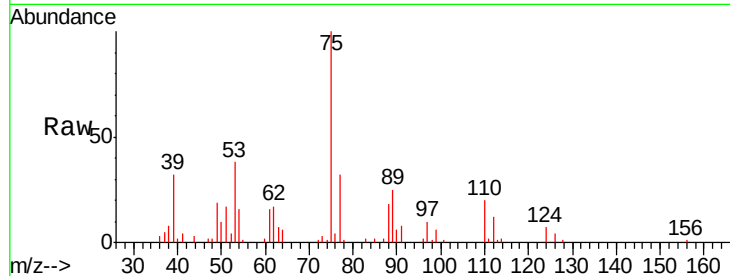
ClientSampleId :

VSTDIC020

Tgt Ion:	75	Resp:	17218
Ion Ratio	Lower	Upper	
75	100		
53	0.0	0.0	0.0
89	0.0	0.0	0.0

Manual Integrations
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#82

4-Chlorotoluene

Concen: 19.73 ug/l

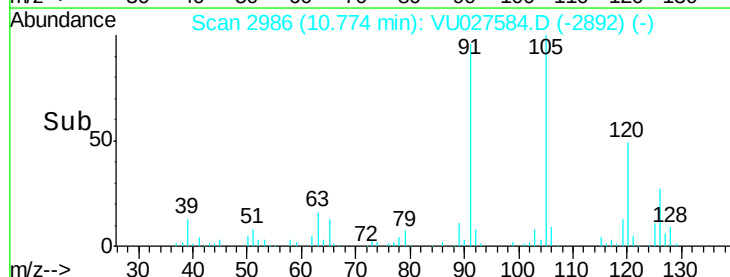
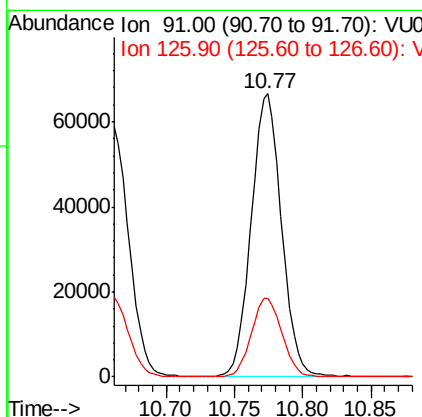
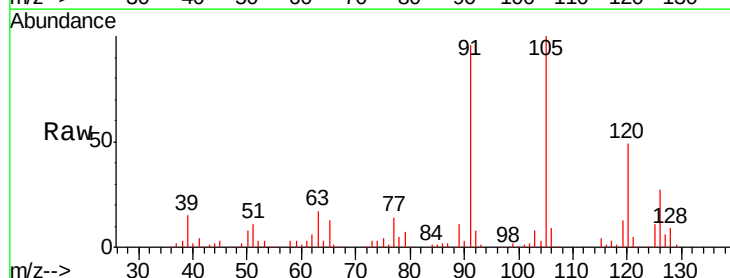
RT: 10.77 min Scan# 2986

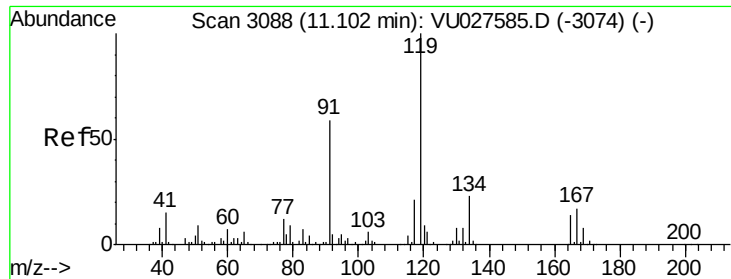
Delta R.T. 0.00 min

Lab File: VU027584.D

Acq: 11 Oct 2018 09:08

Tgt Ion:	91	Resp:	101857
Ion Ratio	Lower	Upper	
91	100		
126	28.3	13.6	40.8





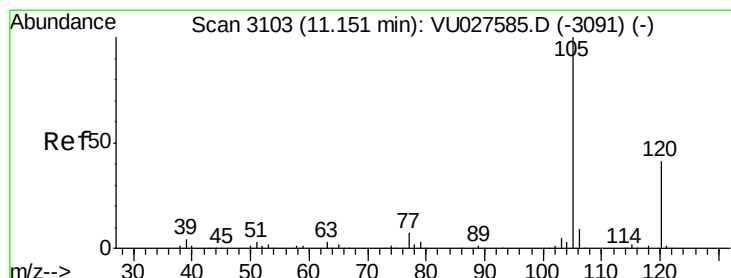
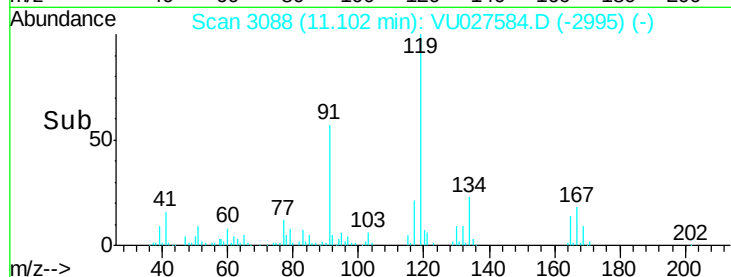
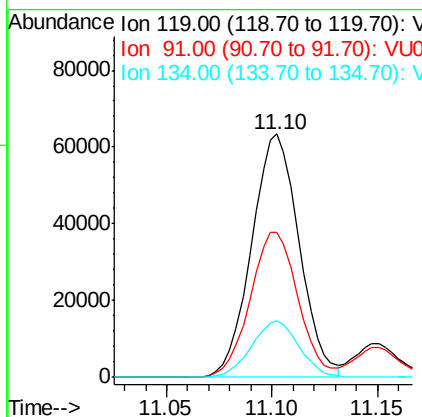
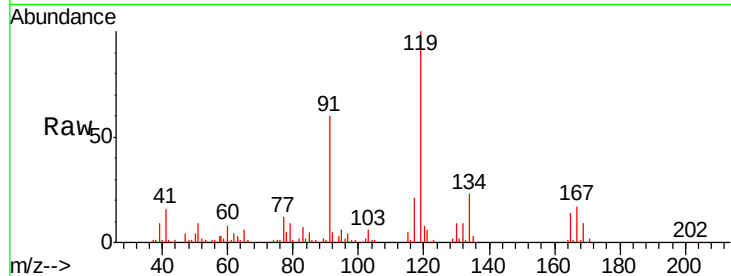
#83
 tert-Butylbenzene
 Concen: 20.17 ug/l
 RT: 11.10 min Scan# 3088
 Delta R.T. -0.00 min
 Lab File: VU027584.D
 Acq: 11 Oct 2018 09:08

Instrument :
 MSVOA_U
 ClientSampleId :
 VSTDIC020

Tgt Ion	Ratio	Resp	Lower	Upper
119	100	99513		
91	59.8	30.3	91.0	
134	23.0	11.5	34.4	

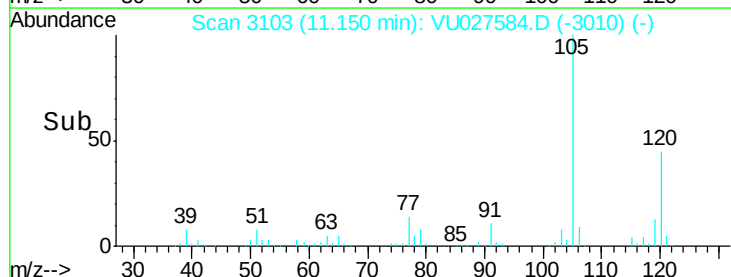
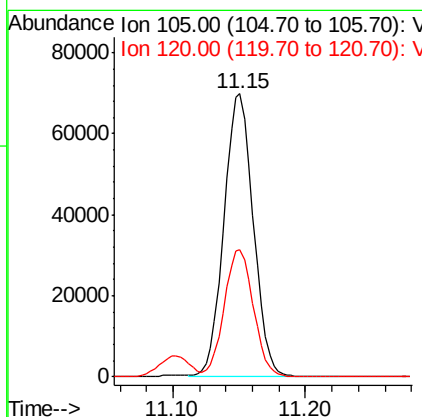
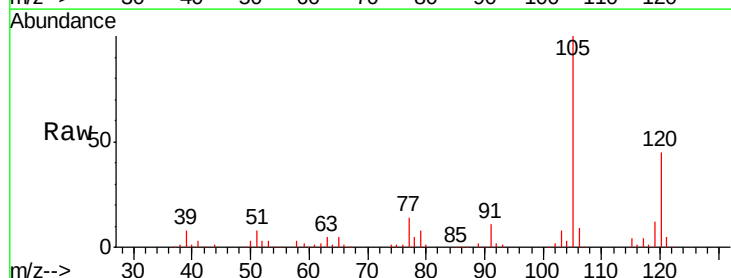
Manual Integrations
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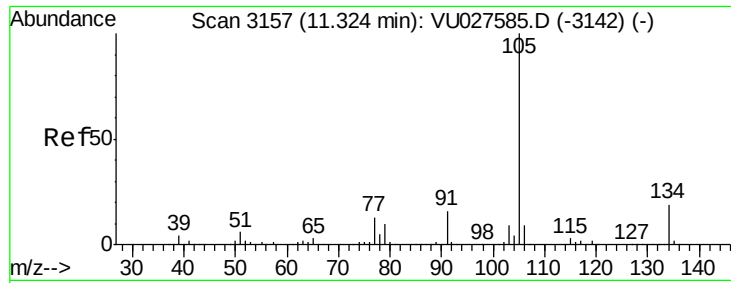
MMDadoda
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#84
 1,2,4-Trimethylbenzene
 Concen: 20.67 ug/l
 RT: 11.15 min Scan# 3103
 Delta R.T. -0.00 min
 Lab File: VU027584.D
 Acq: 11 Oct 2018 09:08

Tgt Ion	Ratio	Resp	Lower	Upper
105	100	107786		
120	44.8	22.1	66.5	





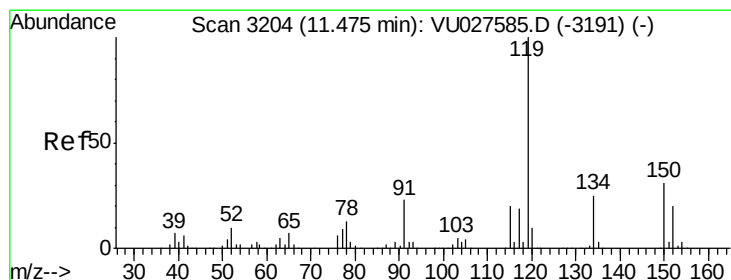
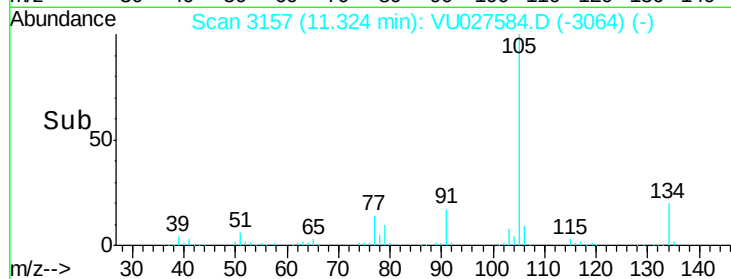
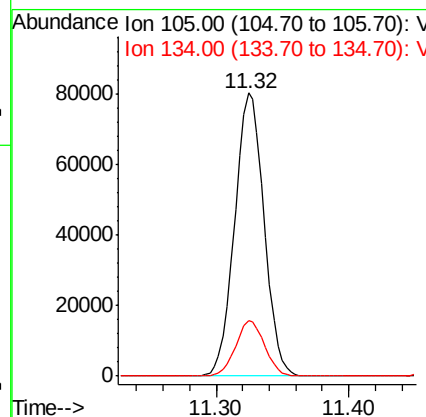
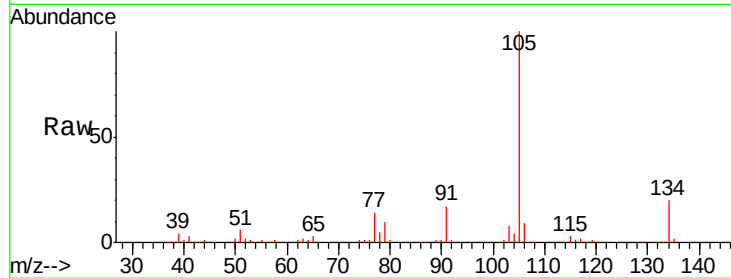
#85
 sec-Butylbenzene
 Concen: 19.86 ug/l
 RT: 11.32 min Scan# 3157
 Delta R.T. -0.00 min
 Lab File: VU027584.D
 Acq: 11 Oct 2018 09:08

Instrument :
 MSVOA_U
 ClientSampleId :
 VSTDIC020

Tgt Ion:105 Resp: 123508
 Ion Ratio Lower Upper
 105 100
 134 19.3 9.6 28.6

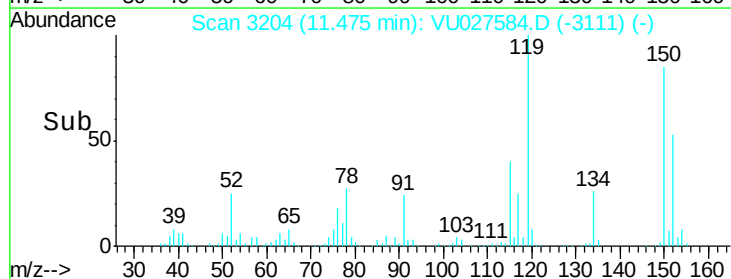
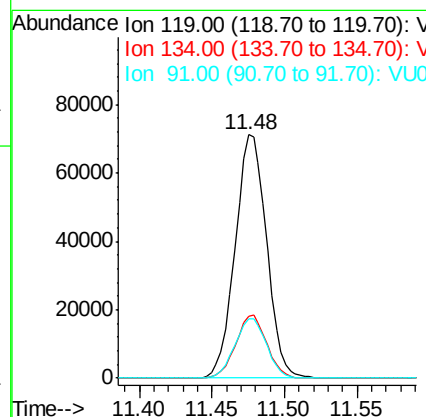
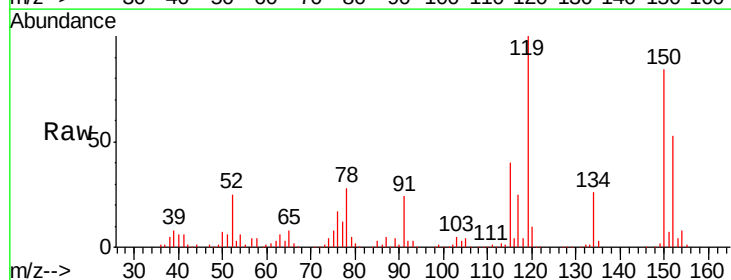
Manual Integrations
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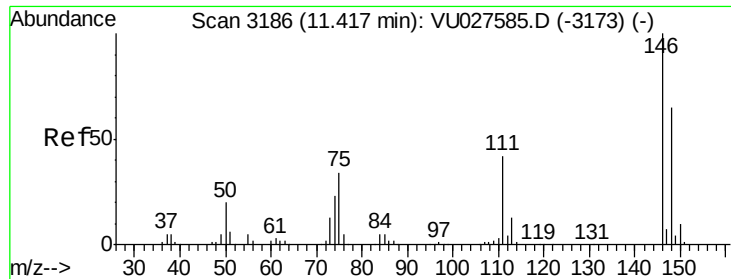
MMDadoda
 10/16/2018 2:22:49 PM



#86
 p-Isopropyltoluene
 Concen: 20.05 ug/l
 RT: 11.48 min Scan# 3204
 Delta R.T. -0.00 min
 Lab File: VU027584.D
 Acq: 11 Oct 2018 09:08

Tgt Ion:119 Resp: 106764
 Ion Ratio Lower Upper
 119 100
 134 25.5 12.7 38.1
 91 24.9 12.2 36.4





#87

1,3-Dichlorobenzene

Concen: 19.71 ug/l

RT: 11.42 min Scan# 3186

Delta R.T. -0.00 min

Lab File: VU027584.D

Acq: 11 Oct 2018 09:08

Instrument :

MSVOA_U

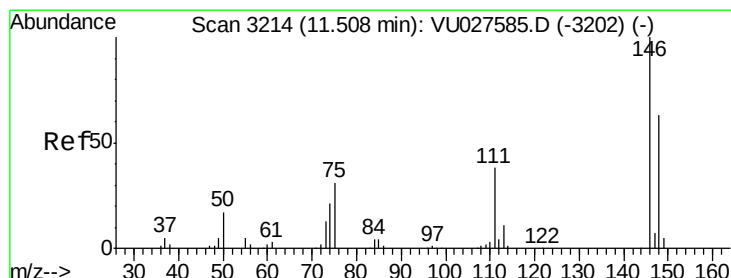
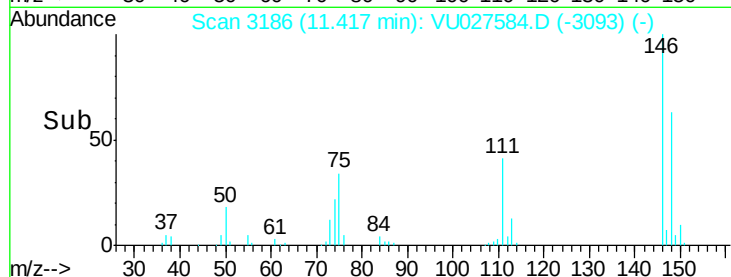
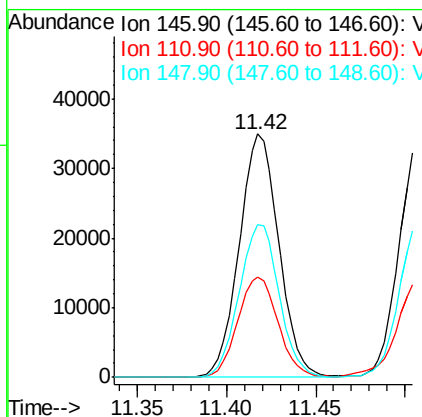
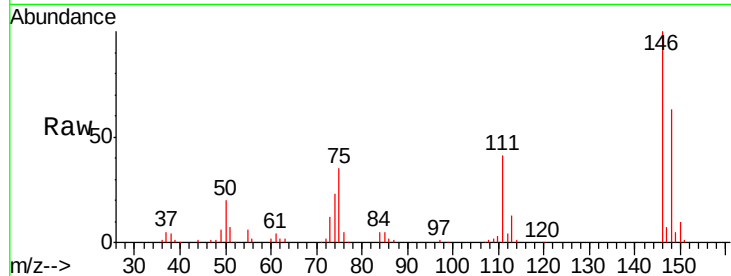
ClientSampleId :

VSTDIC020

Tgt Ion:	146	Resp:	54395
Ion Ratio	Lower	Upper	
146	100		
111	41.8	20.8	62.5
148	63.3	31.6	94.8

Manual Integrations
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#88

1,4-Dichlorobenzene

Concen: 19.47 ug/l

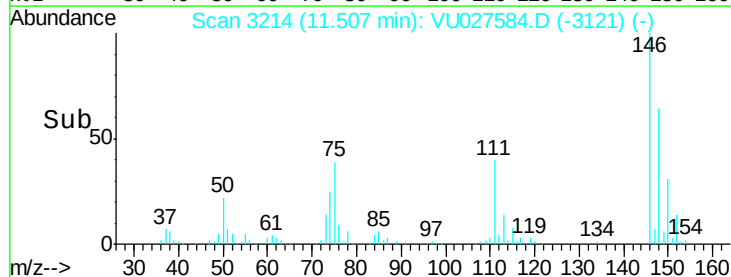
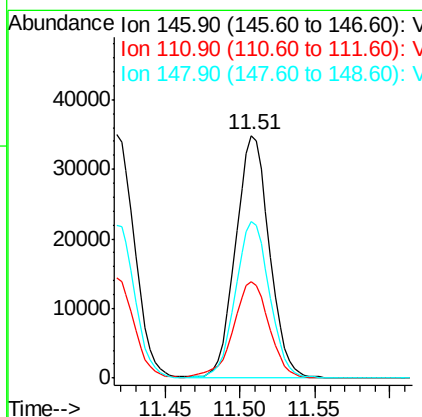
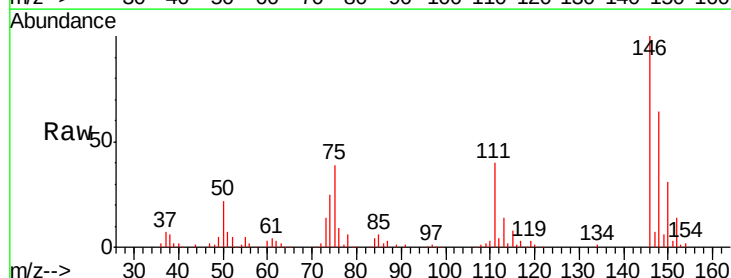
RT: 11.51 min Scan# 3214

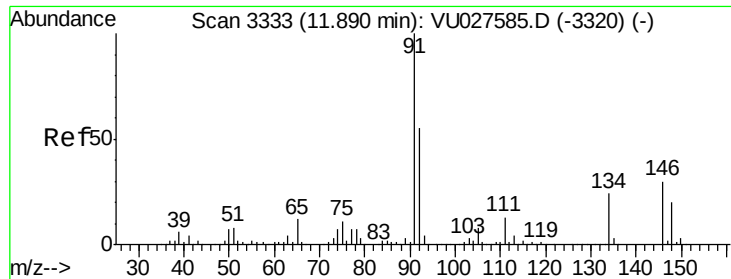
Delta R.T. -0.00 min

Lab File: VU027584.D

Acq: 11 Oct 2018 09:08

Tgt Ion:	146	Resp:	54900
Ion Ratio	Lower	Upper	
146	100		
111	42.2	20.4	61.2
148	65.2	31.9	95.5





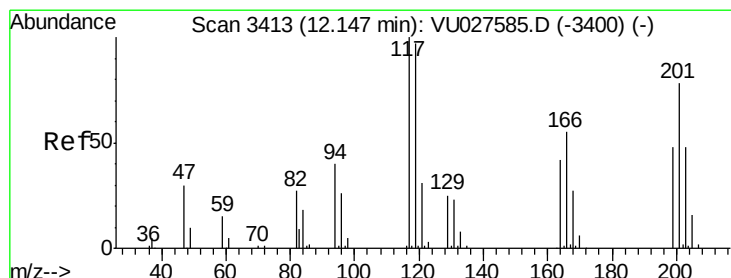
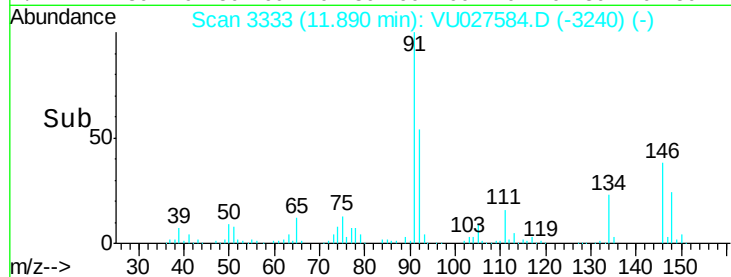
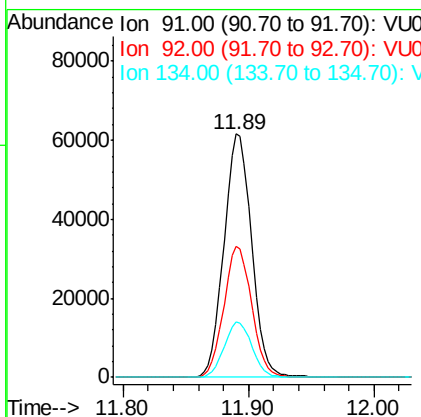
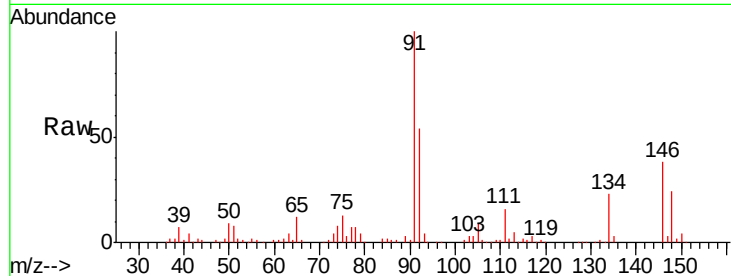
#89
n-Butylbenzene
Concen: 18.99 ug/l
RT: 11.89 min Scan# 3333
Delta R.T. -0.00 min
Lab File: VU027584.D
Acq: 11 Oct 2018 09:08

Instrument :
MSVOA_U
ClientSampleId :
VSTDIC020

Tgt Ion: 91 Resp: 94305
Ion Ratio Lower Upper
91 100
92 54.0 27.0 81.0
134 22.6 11.7 35.1

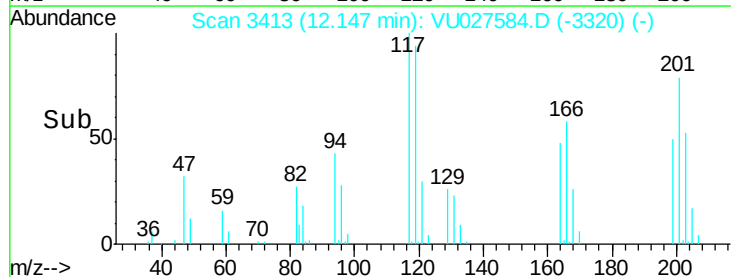
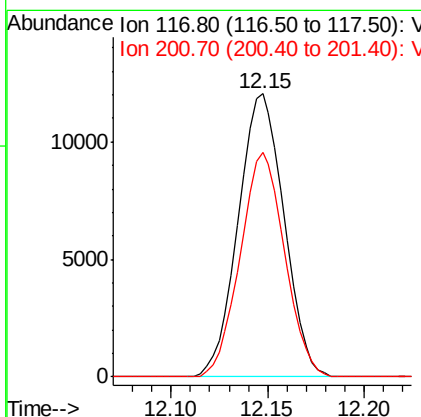
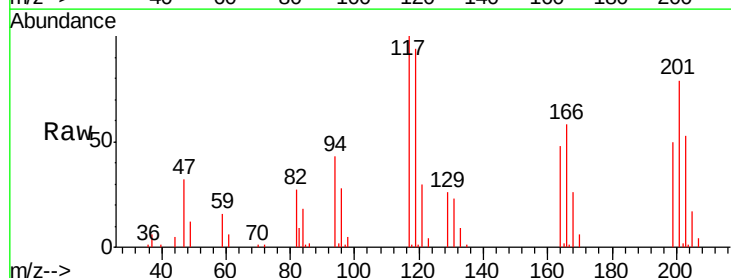
Manual Integrations
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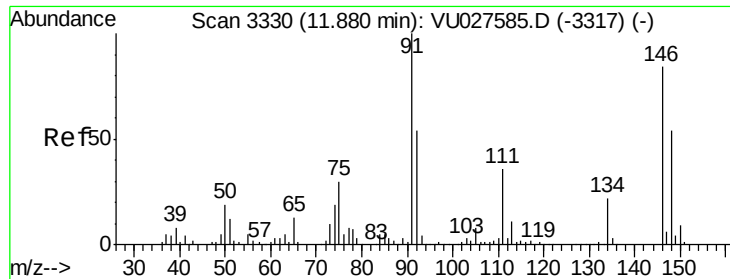
MMDadoda
10/16/2018 2:22:49 PM



#90
Hexachloroethane
Concen: 19.77 ug/l
RT: 12.15 min Scan# 3413
Delta R.T. -0.00 min
Lab File: VU027584.D
Acq: 11 Oct 2018 09:08

Tgt Ion: 117 Resp: 19836
Ion Ratio Lower Upper
117 100
201 77.0 37.9 113.6





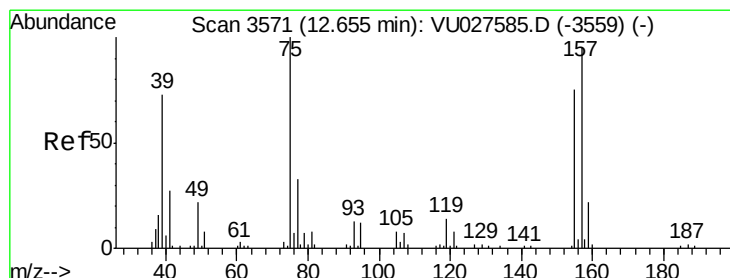
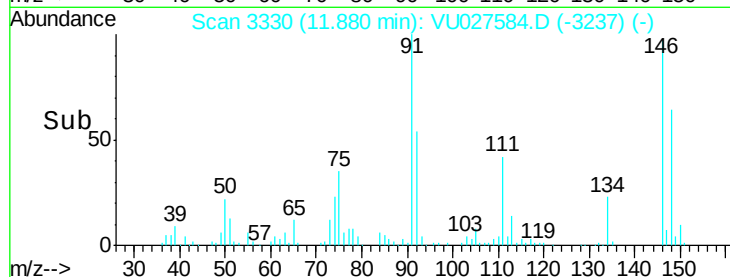
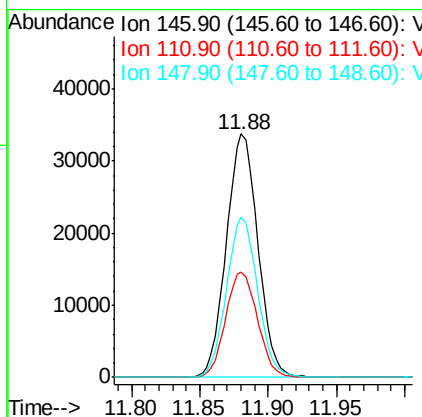
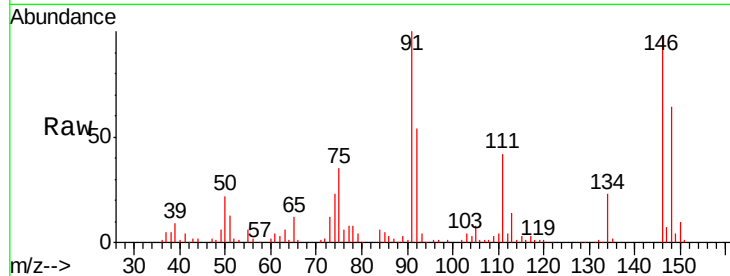
#91
 1,2-Dichlorobenzene
 Concen: 20.25 ug/l
 RT: 11.88 min Scan# 3330
 Delta R.T. -0.00 min
 Lab File: VU027584.D
 Acq: 11 Oct 2018 09:08

Instrument :
 MSVOA_U
 ClientSampleId :
 VSTDIC020

Tgt Ion	Ratio	Lower	Upper
146	100		
111	43.5	21.8	65.4
148	64.9	31.9	95.5

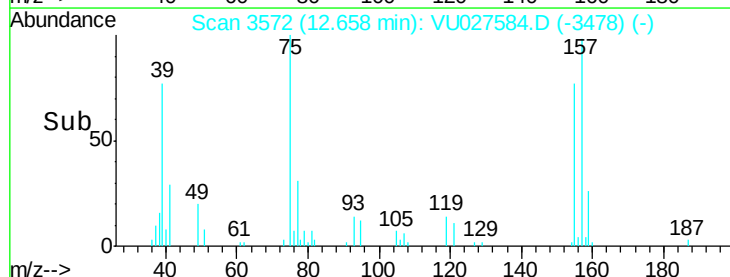
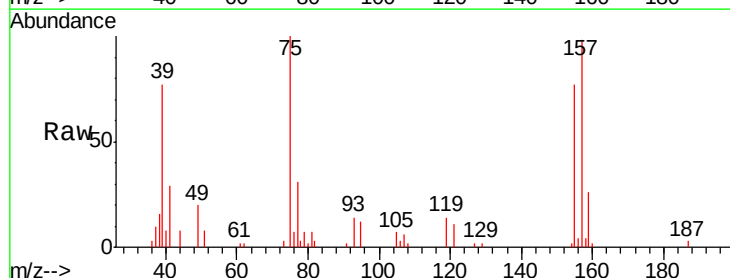
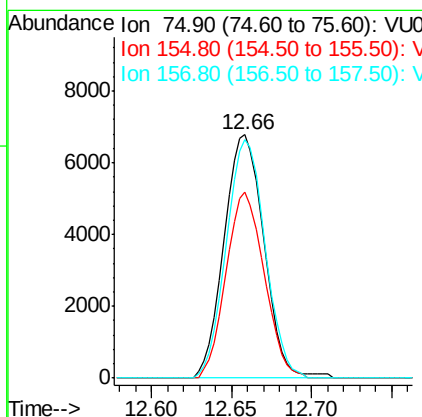
Manual Integrations
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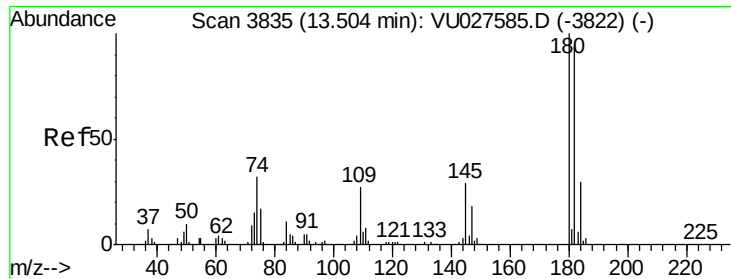
MMDadoda
 10/16/2018 2:22:49 PM



#92
 1,2-Dibromo-3-Chloropropane
 Concen: 21.16 ug/l
 RT: 12.66 min Scan# 3572
 Delta R.T. 0.00 min
 Lab File: VU027584.D
 Acq: 11 Oct 2018 09:08

Tgt Ion	Ratio	Lower	Upper
75	100		
155	72.9	35.9	107.8
157	95.1	46.9	140.6





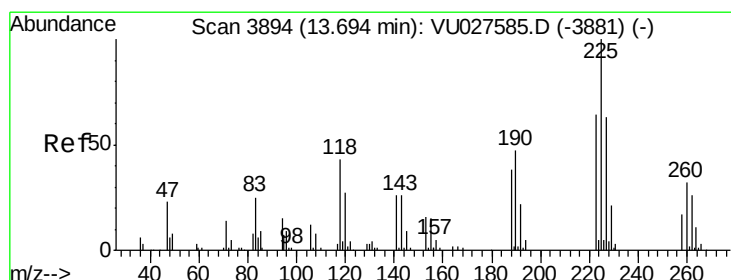
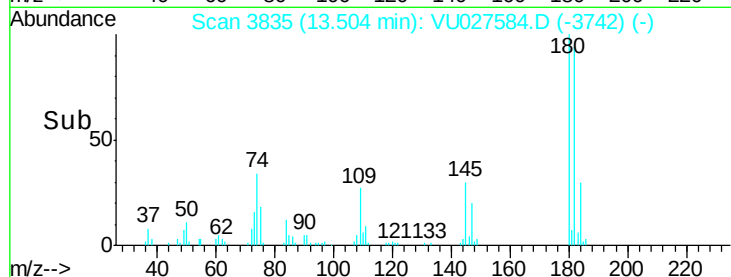
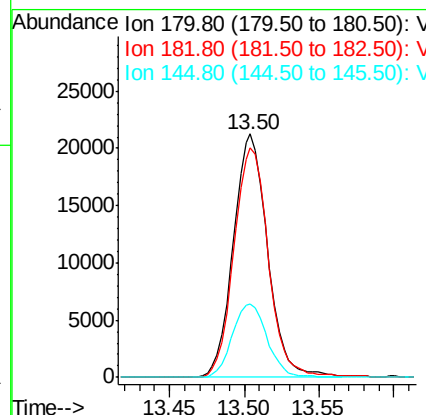
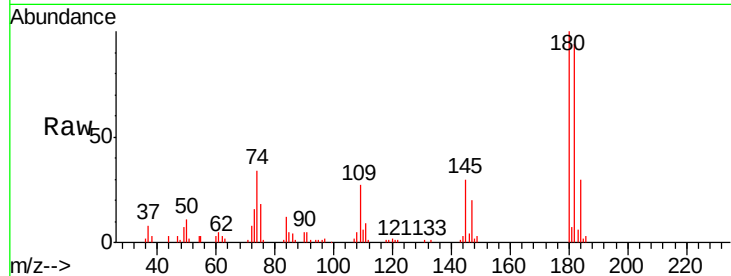
#93
 1,2,4-Trichlorobenzene
 Concen: 19.50 ug/l
 RT: 13.50 min Scan# 3835
 Delta R.T. -0.00 min
 Lab File: VU027584.D
 Acq: 11 Oct 2018 09:08

Instrument :
 MSVOA_U
 ClientSampleID :
 VSTDIC020

Tgt Ion	Ratio	Resp	Lower	Upper
180	100	33891		
182	95.1	47.4	142.3	
145	30.5	14.6	44.0	

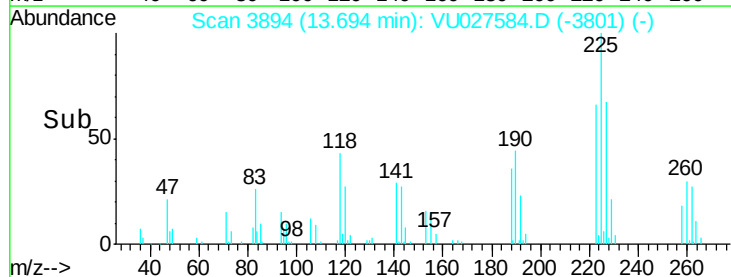
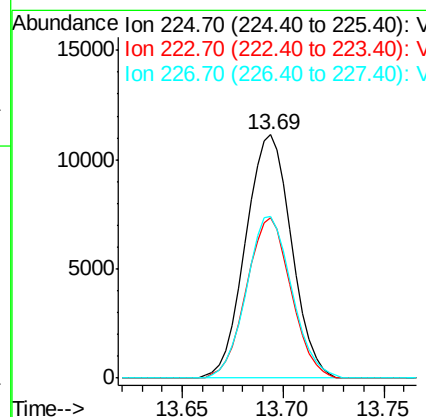
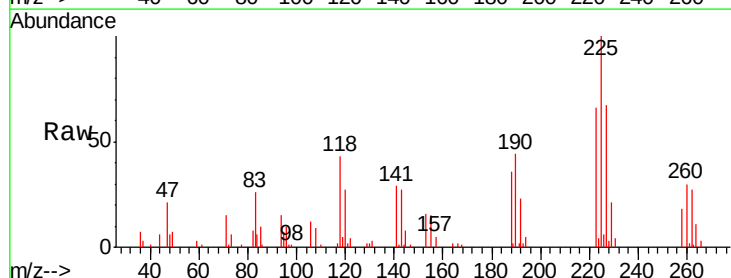
Manual Integrations
 APPROVED

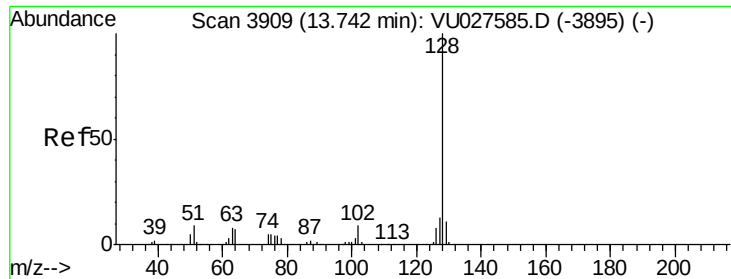
MMDadoda
 10/16/2018 2:22:49 PM



#94
 Hexachlorobutadiene
 Concen: 20.21 ug/l
 RT: 13.69 min Scan# 3894
 Delta R.T. -0.00 min
 Lab File: VU027584.D
 Acq: 11 Oct 2018 09:08

Tgt Ion	Ratio	Resp	Lower	Upper
225	100	17749		
223	64.0	31.8	95.3	
227	65.8	31.9	95.7	





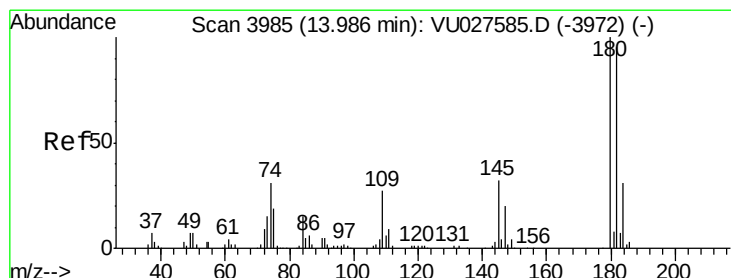
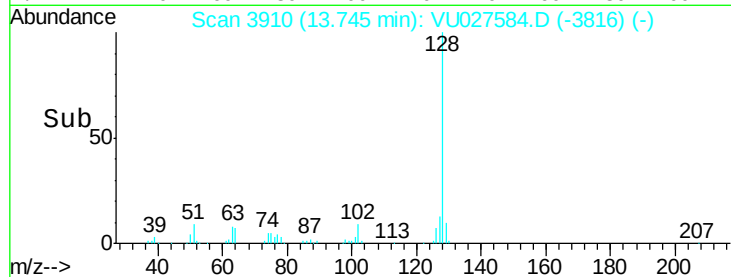
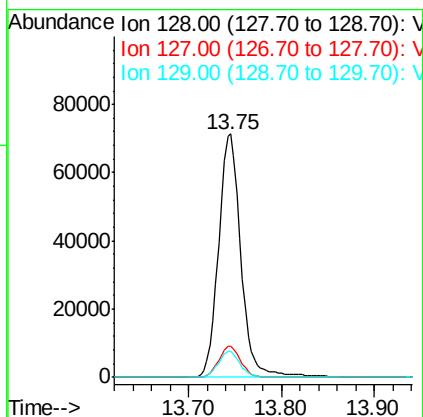
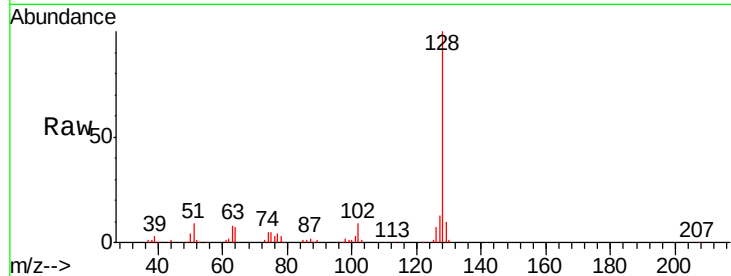
#95
Naphthalene
Concen: 20.47 ug/l
RT: 13.75 min Scan# 3910
Delta R.T. 0.00 min
Lab File: VU027584.D
Acq: 11 Oct 2018 09:08

Instrument :
MSVOA_U
ClientSampleId :
VSTDIC020

Tgt Ion	Ratio	Lower	Upper
128	100		
127	12.4	10.5	15.7
129	10.5	8.6	12.8

Manual Integrations
APPROVED

MMDadoda
10/16/2018 2:22:49 PM



#96
1,2,3-Trichlorobenzene
Concen: 20.08 ug/l
RT: 13.99 min Scan# 3986
Delta R.T. 0.00 min
Lab File: VU027584.D
Acq: 11 Oct 2018 09:08

Tgt Ion	Ratio	Lower	Upper
180	100		
182	97.3	47.4	142.2
145	31.3	15.9	47.7

