

Data Path : Z:\VOASRV\HPCHEM1\MSVOA_U\DATA\VU120518\
 Data File : VU028468.D
 Acq On : 05 Dec 2018 09:55
 Operator : MD/SY
 Sample : VSTDCCC050
 Misc : 5.0mL/MSVOA_U/WATER
 ALS Vial : 2 Sample Multiplier: 1

Instrument :
 MSVOA_U
 ClientSampleId :
 VSTDCCC050

Manual Integrations
 APPROVED

MMDadoda
 12/6/2018 4:53:08 PM

Quant Time: Dec 06 02:15:44 2018
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_U\METHOD\82U112818W.M
 Quant Title : SW846 8260
 QLast Update : Thu Nov 29 01:04:49 2018
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Pentafluorobenzene	4.98	168	378661	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	5.88	114	625213	50.00	ug/l	0.00
63) Chlorobenzene-d5	9.09	117	585580	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	11.48	152	288856	50.00	ug/l	0.00

System Monitoring Compounds

33) 1,2-Dichloroethane-d4	5.31	65	291639	46.08	ug/l	0.00
Spiked Amount	50.000		Recovery	=	92.16%	
35) Dibromofluoromethane	4.88	113	223538	53.77	ug/l	0.00
Spiked Amount	50.000		Recovery	=	107.54%	
50) Toluene-d8	7.56	98	879430	52.89	ug/l	0.00
Spiked Amount	50.000		Recovery	=	105.78%	
62) 4-Bromofluorobenzene	10.30	95	326671	54.51	ug/l	0.00
Spiked Amount	50.000		Recovery	=	109.02%	

Target Compounds

						Qvalue
2) Dichlorodifluoromethane	1.21	85	242158	47.672	ug/l	99
3) Chloromethane	1.33	50	433065	43.984	ug/l	99
4) Vinyl Chloride	1.40	62	332756	48.303	ug/l	99
5) Bromomethane	1.61	94	132235	49.630	ug/l	97
6) Chloroethane	1.69	64	195814	49.398	ug/l	95
7) Trichlorofluoromethane	1.88	101	359533	50.244	ug/l	98
8) Diethyl Ether	2.10	74	173370	52.119	ug/l	84
9) 1,1,2-Trichlorotrifluoroet	2.28	101	227955	54.686	ug/l	94
10) Methyl Iodide	2.41	142	194792	49.555	ug/l	96
11) Tert butyl alcohol	2.83	59	349740	243.265	ug/l	98
12) 1,1-Dichloroethene	2.28	96	220243	54.445	ug/l	88
13) Acrolein	2.19	56	291241	227.864	ug/l	99
14) Allyl chloride	2.59	41	443538	41.966	ug/l	96
15) Acrylonitrile	2.93	53	873708	229.743	ug/l	99
16) Acetone	2.32	43	921038	237.919	ug/l	96
17) Carbon Disulfide	2.48	76	706369	45.493	ug/l	99
18) Methyl Acetate	2.61	43	488264	45.300	ug/l	94
19) Methyl tert-butyl Ether	3.00	73	822652	49.603	ug/l	98
20) Methylene Chloride	2.70	84	268939	49.253	ug/l	89
21) trans-1,2-Dichloroethene	2.98	96	238349	50.805	ug/l	94
22) Diisopropyl ether	3.57	45	935913	44.978	ug/l	98
23) Vinyl Acetate	3.52	43	3880016	224.330	ug/l	97
24) 1,1-Dichloroethane	3.44	63	493693	48.122	ug/l	99
25) 2-Butanone	4.26	43	1253681	225.967	ug/l	94
26) 2,2-Dichloropropane	4.22	77	406398	49.879	ug/l	97
27) cis-1,2-Dichloroethene	4.22	96	280388	50.536	ug/l	92
28) Bromochloromethane	4.55	49	232236	45.272	ug/l	# 85
29) Tetrahydrofuran	4.63	42	788967	219.025	ug/l	92
30) Chloroform	4.67	83	455634	48.116	ug/l	98
31) Cyclohexane	4.99	56	469577	44.546	ug/l	95
32) 1,1,1-Trichloroethane	4.91	97	378517	49.815	ug/l	98
36) 1,1-Dichloropropene	5.13	75	350499	51.230	ug/l	97
37) Ethyl Acetate	4.38	43	443540	47.572	ug/l	97
38) Carbon Tetrachloride	5.13	117	300013	53.400	ug/l	99

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 Quant Title : SW846 8260
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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
39) Methylcyclohexane	6.41	83	440078	54.557	ug/l	93
40) Benzene	5.39	78	1081181	53.357	ug/l	99
41) Methacrylonitrile	4.54	41	247841	47.866	ug/l	92
42) 1,2-Dichloroethane	5.40	62	365523	50.073	ug/l	95
43) Isopropyl Acetate	5.55	43	726642	49.182	ug/l	96
44) Trichloroethene	6.18	130	252521	58.138	ug/l	97
45) 1,2-Dichloropropane	6.43	63	305028	51.404	ug/l	97
46) Dibromomethane	6.56	93	183700	53.895	ug/l	95
47) Bromodichloromethane	6.76	83	352620	52.012	ug/l	99
48) Methyl methacrylate	6.62	41	365665	47.513	ug/l	95
49) 1,4-Dioxane	6.61	88	145961	1187.184	ug/l	89
51) 4-Methyl-2-Pentanone	7.46	43	2230510	236.375	ug/l	94
52) Toluene	7.64	92	653249	55.984	ug/l	98
53) t-1,3-Dichloropropene	7.88	75	428268	52.828	ug/l	98
54) cis-1,3-Dichloropropene	7.27	75	454146	52.291	ug/l	95
55) 1,1,2-Trichloroethane	8.06	97	258285	53.186	ug/l	98
56) Ethyl methacrylate	8.02	69	447984	54.225	ug/l	94
57) 1,3-Dichloropropane	8.24	76	468316	52.586	ug/l	99
58) 2-Chloroethyl Vinyl ether	7.13	63	1123502	253.295	ug/l	96
59) 2-Hexanone	8.36	43	1784002	244.070	ug/l	95
60) Dibromochloromethane	8.48	129	257235	55.695	ug/l	99
61) 1,2-Dibromoethane	8.58	107	278451	55.984	ug/l	98
64) Tetrachloroethene	8.22	164	215764	56.015	ug/l	98
65) Chlorobenzene	9.12	112	688023	56.585	ug/l	99
66) 1,1,1,2-Tetrachloroethane	9.21	131	232119	55.693	ug/l	99
67) Ethyl Benzene	9.25	91	1261681	55.093	ug/l	99
68) m/p-Xylenes	9.37	106	930717	112.913	ug/l	97
69) o-Xylene	9.78	106	453956	55.400	ug/l	99
70) Styrene	9.79	104	757353	57.309	ug/l	98
71) Bromoform	9.96	173	200059	57.108	ug/l #	99
73) Isopropylbenzene	10.16	105	1209965	53.858	ug/l	100
74) N-amyl acetate	10.01	43	641692	45.589	ug/l	96
75) 1,1,2,2-Tetrachloroethane	10.46	83	459031	49.687	ug/l	100
76) 1,2,3-Trichloropropane	10.49	75	398671m	49.770	ug/l	
77) Bromobenzene	10.45	156	291640	55.093	ug/l	92
78) n-propylbenzene	10.58	91	1486605	53.640	ug/l	98
79) 2-Chlorotoluene	10.66	91	861024	52.701	ug/l	98
80) 1,3,5-Trimethylbenzene	10.77	105	1011991	53.454	ug/l	98
81) trans-1,4-Dichloro-2-buten	10.51	75	144970m	48.041	ug/l	
82) 4-Chlorotoluene	10.77	91	996284	52.927	ug/l	99
83) tert-Butylbenzene	11.10	119	983732	55.741	ug/l	98
84) 1,2,4-Trimethylbenzene	11.15	105	1034287	53.937	ug/l	98
85) sec-Butylbenzene	11.32	105	1239899	54.091	ug/l	100
86) p-Isopropyltoluene	11.48	119	1063788	56.440	ug/l	98
87) 1,3-Dichlorobenzene	11.41	146	530127	54.907	ug/l	99
88) 1,4-Dichlorobenzene	11.51	146	533337	54.888	ug/l	98
89) n-Butylbenzene	11.89	91	1030102	55.377	ug/l	98
90) Hexachloroethane	12.14	117	159135	54.080	ug/l	93
91) 1,2-Dichlorobenzene	11.88	146	536835	55.729	ug/l	98
92) 1,2-Dibromo-3-Chloropropan	12.66	75	98739	48.049	ug/l	88

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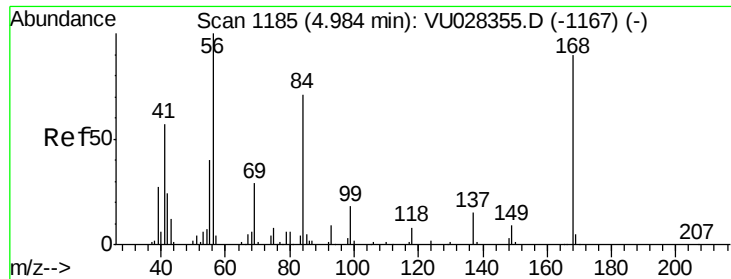
Manual Integrations
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QLast Update : Thu Nov 29 01:04:49 2018
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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
93) 1,2,4-Trichlorobenzene	13.50	180	369432	58.590	ug/l	98
94) Hexachlorobutadiene	13.69	225	167045	56.105	ug/l	98
95) Naphthalene	13.74	128	1275994	52.345	ug/l	99
96) 1,2,3-Trichlorobenzene	13.99	180	371385	58.237	ug/l	100

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



#1

Pentafluorobenzene

Concen: 50.000 ug/l

RT: 4.98 min Scan# 1184

Delta R.T. -0.00 min

Lab File: VU028468.D

Acq: 05 Dec 2018 09:55

Instrument :

MSVOA_U

ClientSampleId :

VSTDCCC050

Tgt Ion: 168 Resp: 378661

Ion Ratio Lower Upper

168 100

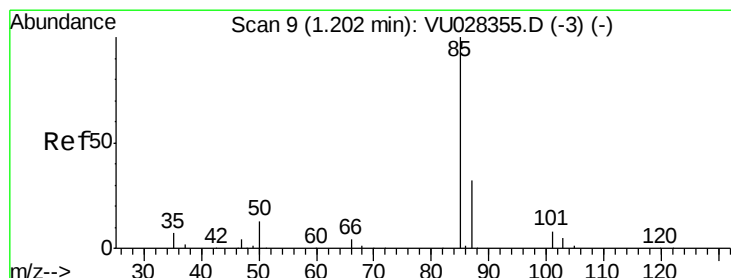
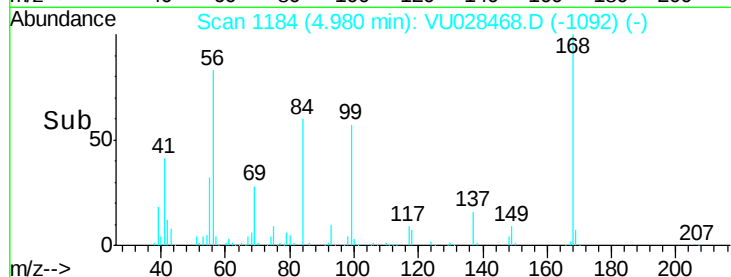
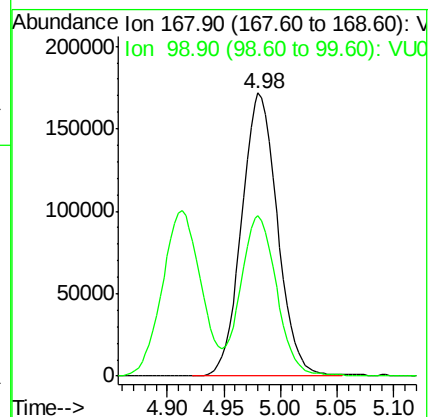
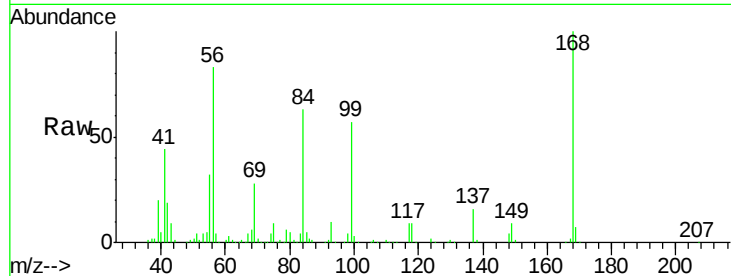
99 56.2 49.6 74.4

Manual Integrations

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#2

Dichlorodifluoromethane

Concen: 47.672 ug/l

RT: 1.21 min Scan# 10

Delta R.T. 0.00 min

Lab File: VU028468.D

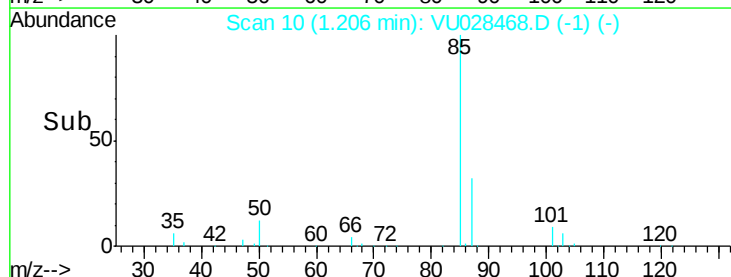
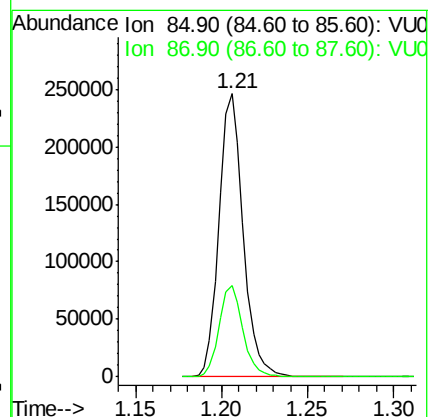
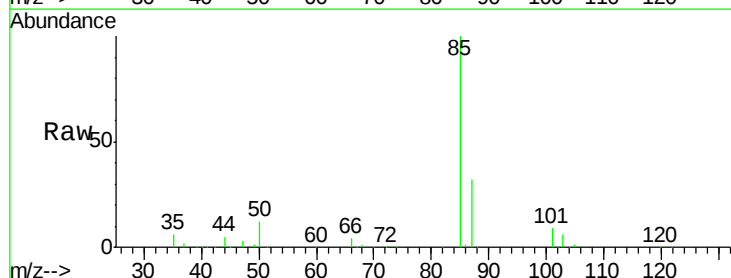
Acq: 05 Dec 2018 09:55

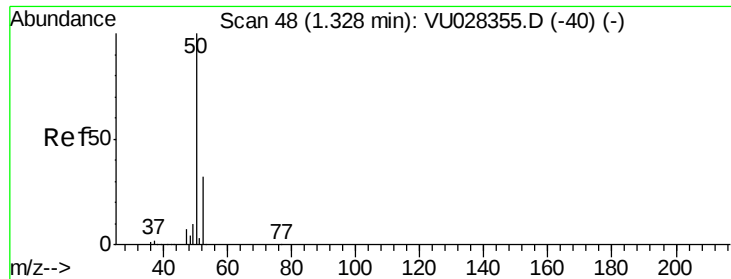
Tgt Ion: 85 Resp: 242158

Ion Ratio Lower Upper

85 100

87 32.3 15.9 47.7





#3

Chloromethane

Concen: 43.984 ug/l

RT: 1.33 min Scan# 48

Delta R.T. 0.00 min

Lab File: VU028468.D

Acq: 05 Dec 2018 09:55

Instrument :

MSVOA_U

ClientSampleId :

VSTDCCC050

Tgt Ion: 50 Resp: 433065

Ion Ratio Lower Upper

50 100

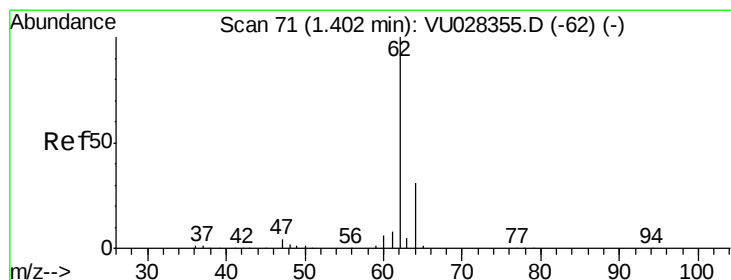
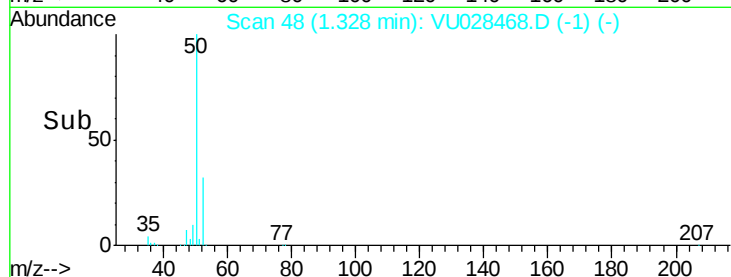
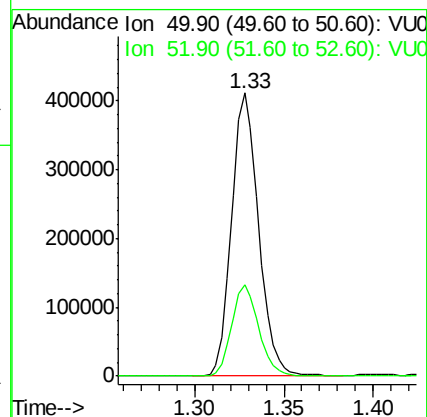
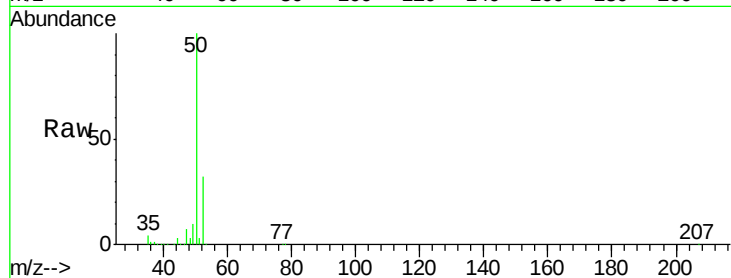
52 32.1 25.4 38.2

Manual Integrations

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#4

Vinyl Chloride

Concen: 48.303 ug/l

RT: 1.40 min Scan# 71

Delta R.T. 0.00 min

Lab File: VU028468.D

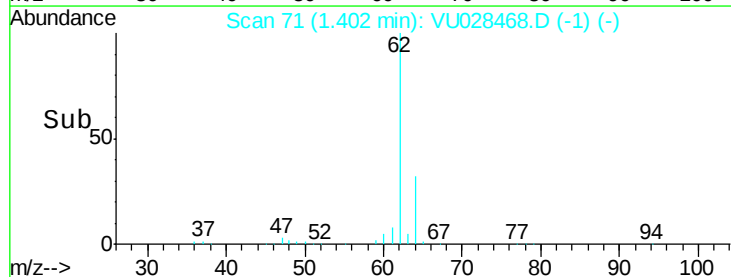
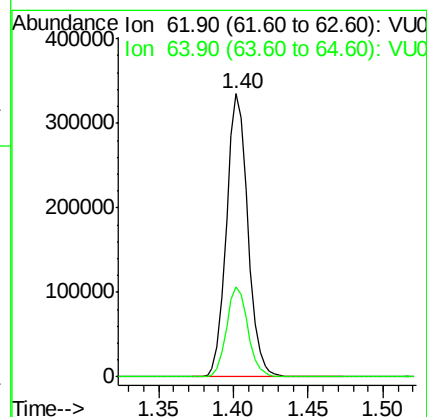
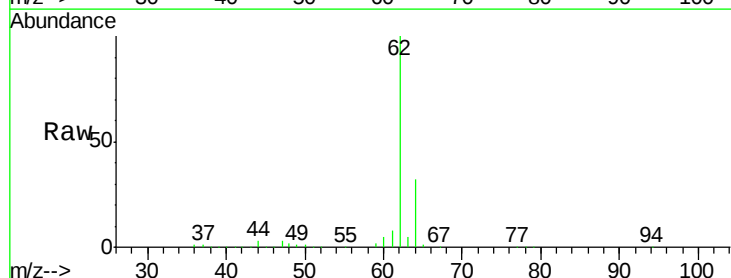
Acq: 05 Dec 2018 09:55

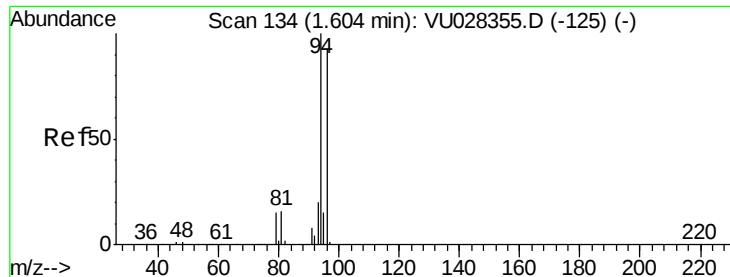
Tgt Ion: 62 Resp: 332756

Ion Ratio Lower Upper

62 100

64 31.8 25.0 37.4





#5

Bromomethane

Concen: 49.630 ug/l

RT: 1.61 min Scan# 136

Delta R.T. 0.01 min

Lab File: VU028468.D

Acq: 05 Dec 2018 09:55

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MSVOA_U

ClientSampleId :

VSTDCCC050

Tgt Ion: 94 Resp: 132235

Ion Ratio Lower Upper

94 100

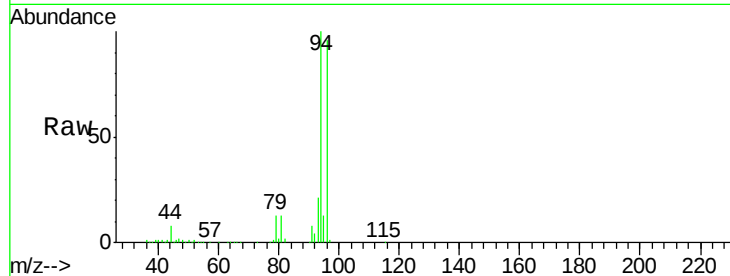
96 96.3 74.6 112.0

Manual Integrations

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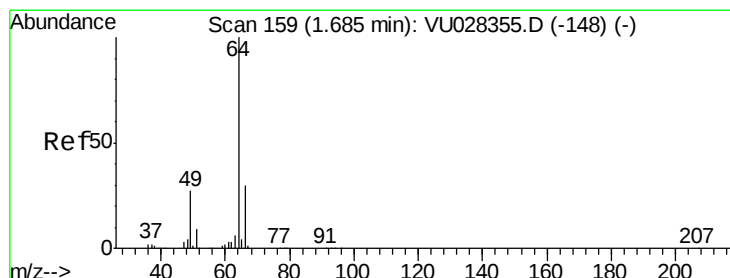
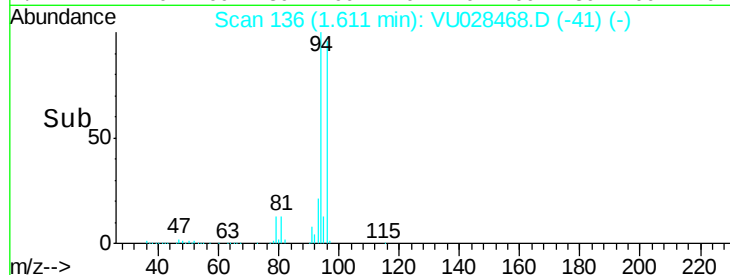
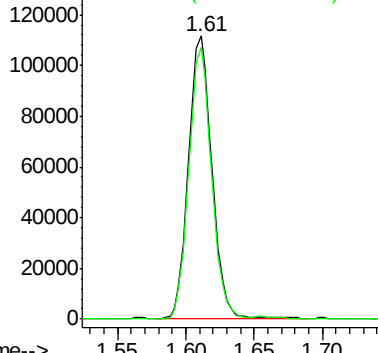
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Abundance Ion 93.90 (93.60 to 94.60): VU0

Ion 95.90 (95.60 to 96.60): VU0



#6

Chloroethane

Concen: 49.398 ug/l

RT: 1.69 min Scan# 160

Delta R.T. 0.00 min

Lab File: VU028468.D

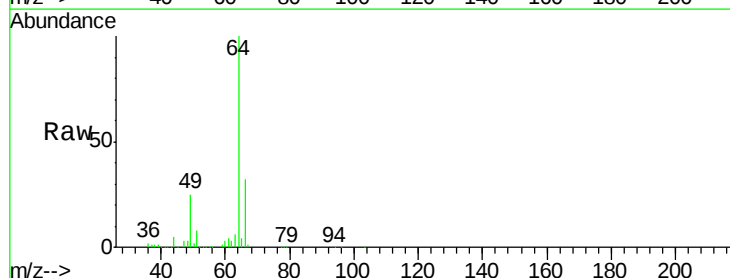
Acq: 05 Dec 2018 09:55

Tgt Ion: 64 Resp: 195814

Ion Ratio Lower Upper

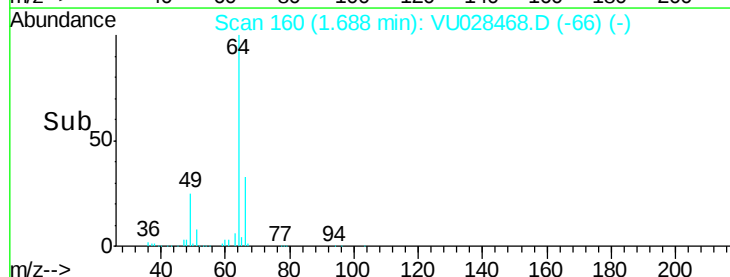
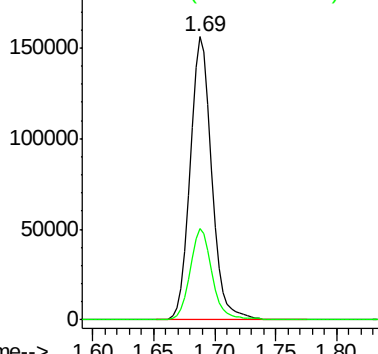
64 100

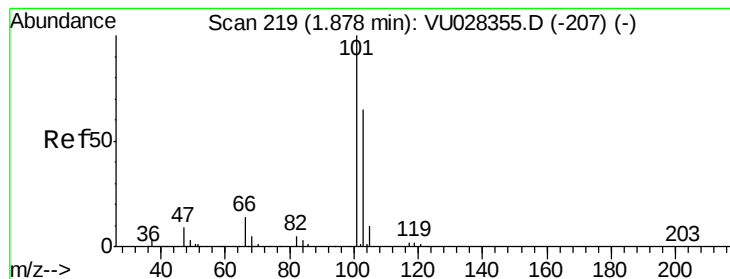
66 32.1 23.6 35.4



Abundance Ion 63.90 (63.60 to 64.60): VU0

Ion 65.90 (65.60 to 66.60): VU0





#7

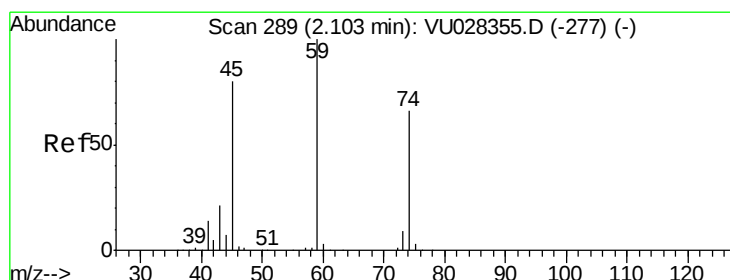
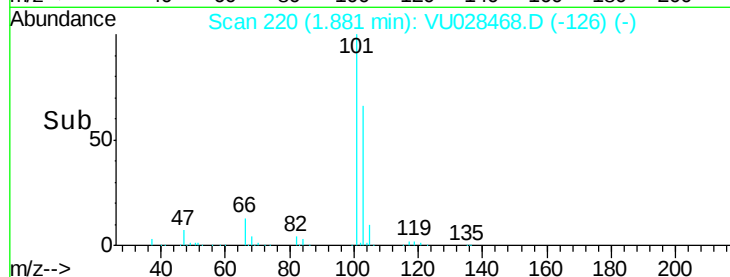
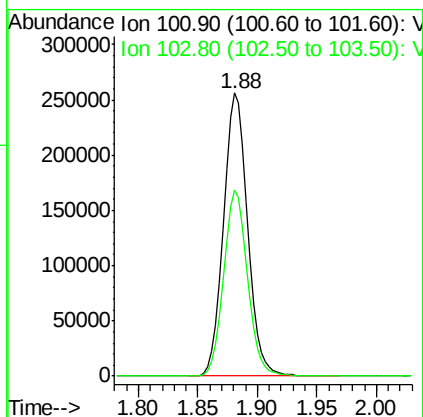
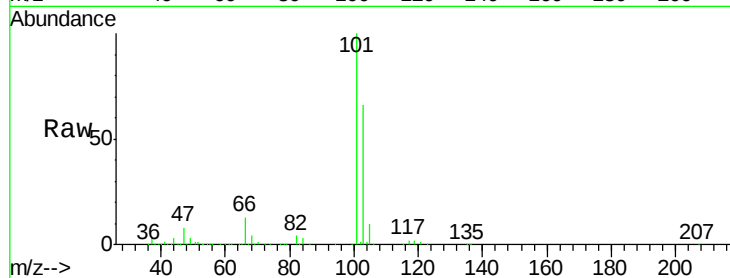
Trichlorofluoromethane
 Concen: 50.244 ug/l
 RT: 1.88 min Scan# 220
 Delta R.T. 0.00 min
 Lab File: VU028468.D
 Acq: 05 Dec 2018 09:55

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 VSTDCCC050

Tgt Ion	Ratio	Lower	Upper
101	100		
103	65.8	51.6	77.4

Manual Integrations
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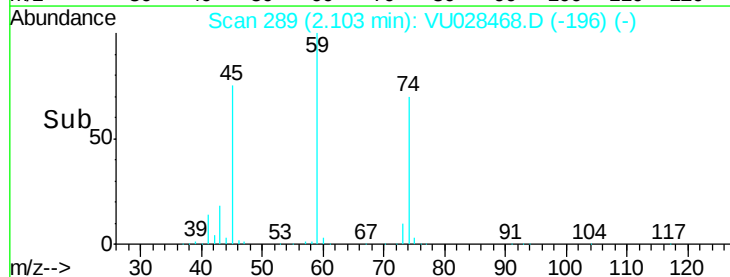
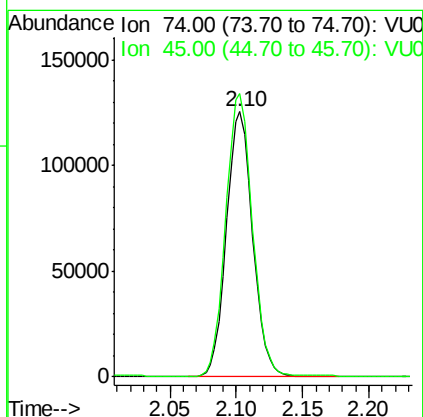
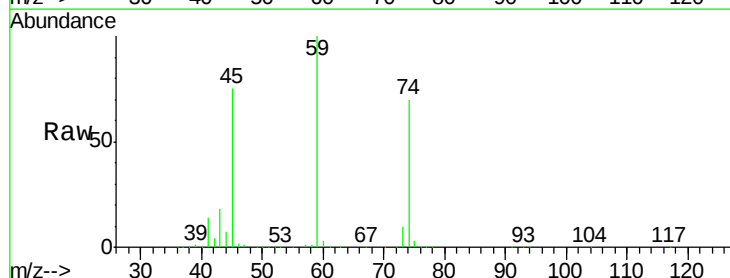
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 12/6/2018 4:53:08 PM

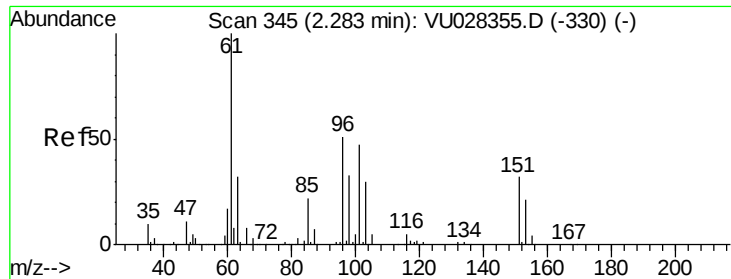


#8

Diethyl Ether
 Concen: 52.119 ug/l
 RT: 2.10 min Scan# 289
 Delta R.T. 0.00 min
 Lab File: VU028468.D
 Acq: 05 Dec 2018 09:55

Tgt Ion	Ratio	Lower	Upper
74	100		
45	108.3	63.0	189.1





#9

1,1,2-Trichlorotrifluoroethane

Concen: 54.686 ug/l

RT: 2.28 min Scan# 345

Delta R.T. 0.00 min

Lab File: VU028468.D

Acq: 05 Dec 2018 09:55

Instrument :

MSVOA_U

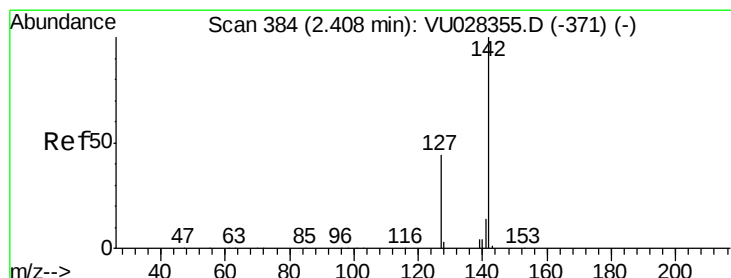
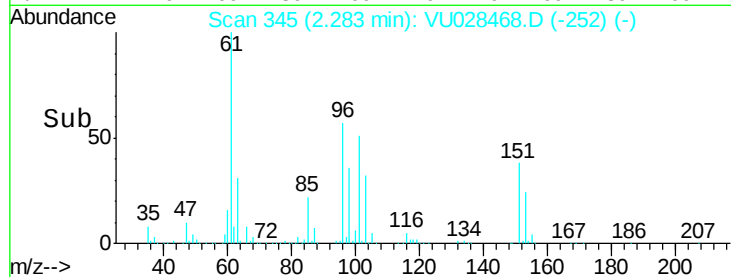
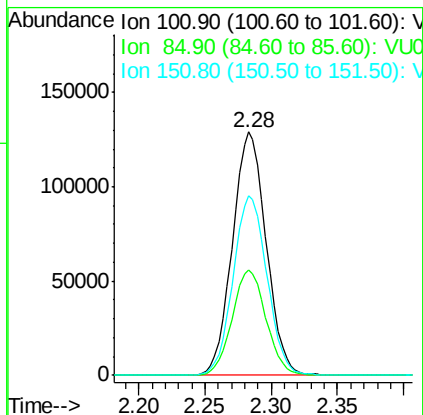
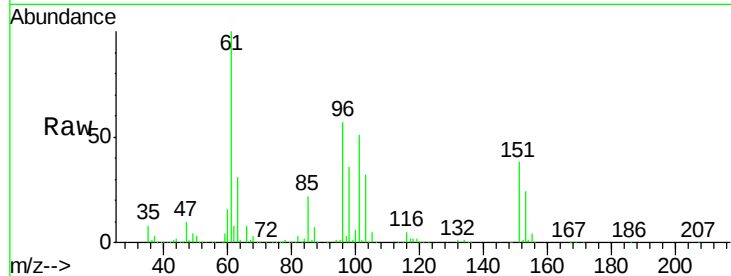
ClientSampleId :

VSTDCCC050

Tgt Ion:	101	Resp:	227955
Ion Ratio	Lower	Upper	
101	100		
85	43.5	37.2	55.8
151	74.3	55.4	83.0

Manual Integrations
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#10

Methyl Iodide

Concen: 49.555 ug/l

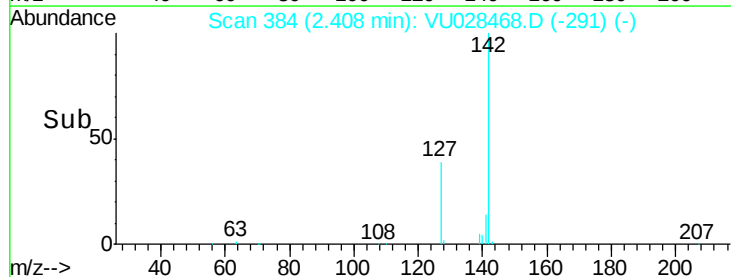
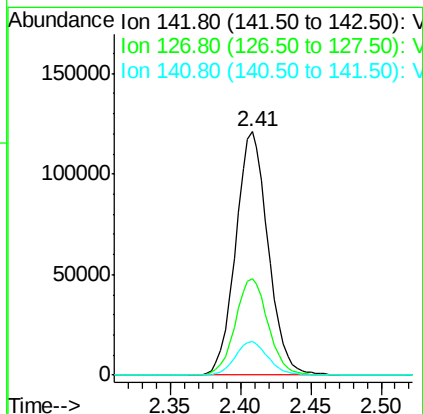
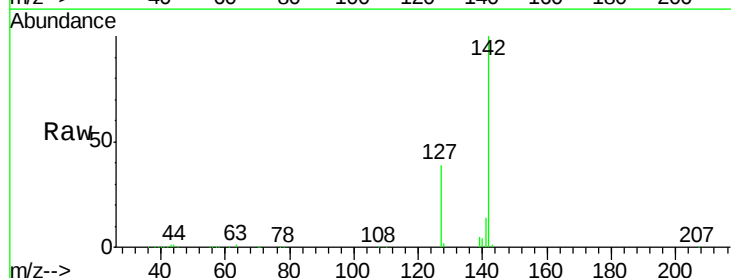
RT: 2.41 min Scan# 384

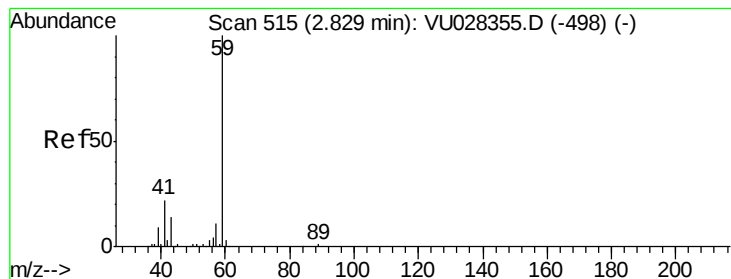
Delta R.T. 0.00 min

Lab File: VU028468.D

Acq: 05 Dec 2018 09:55

Tgt Ion:	142	Resp:	194792
Ion Ratio	Lower	Upper	
142	100		
127	40.2	35.0	52.6
141	14.0	11.2	16.8





#11

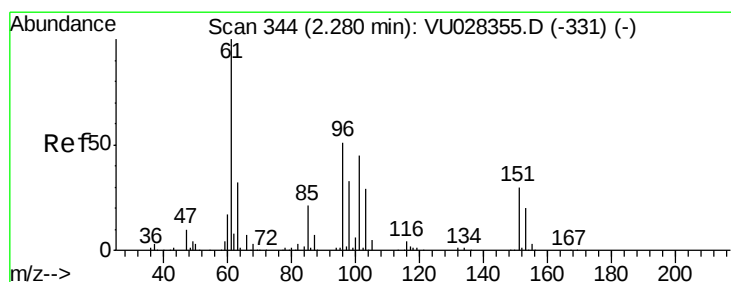
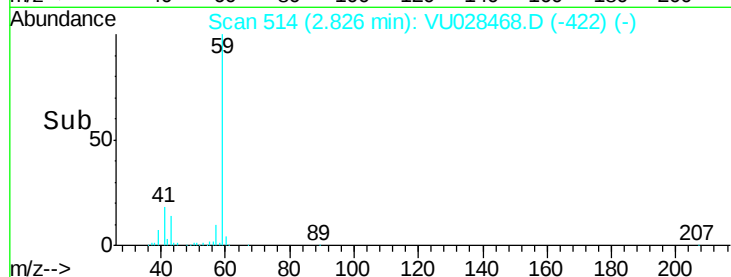
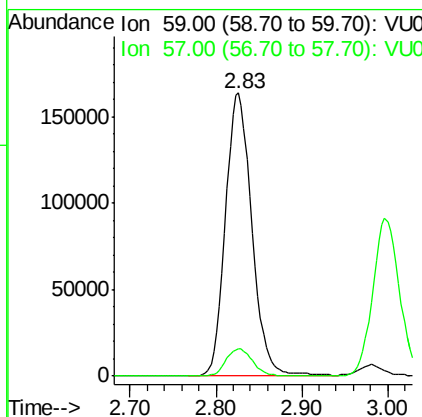
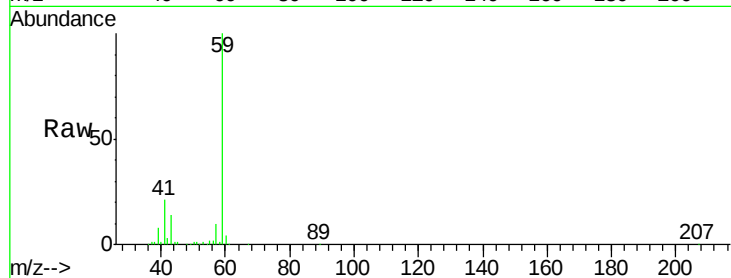
Tert butyl alcohol
Concen: 243.265 ug/l
RT: 2.83 min Scan# 514
Delta R.T. -0.00 min
Lab File: VU028468.D
Acq: 05 Dec 2018 09:55

Instrument :
MSVOA_U
ClientSampleId :
VSTDCCC050

Tgt Ion	Ratio	Lower	Upper
59	100		
57	9.7	8.3	12.5

Manual Integrations
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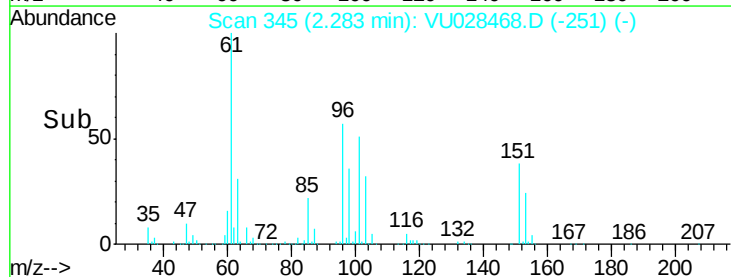
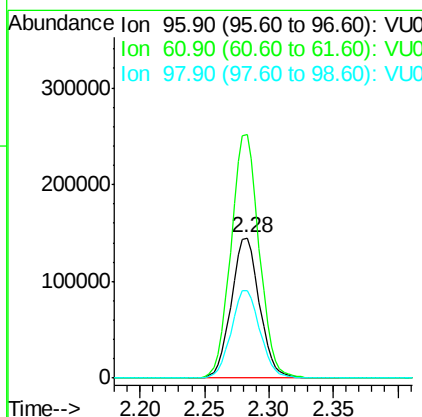
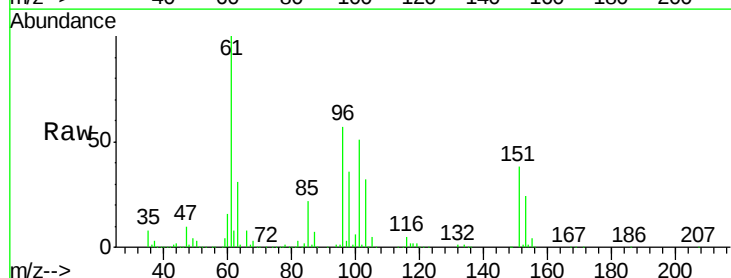
MMDadoda
12/6/2018 4:53:08 PM

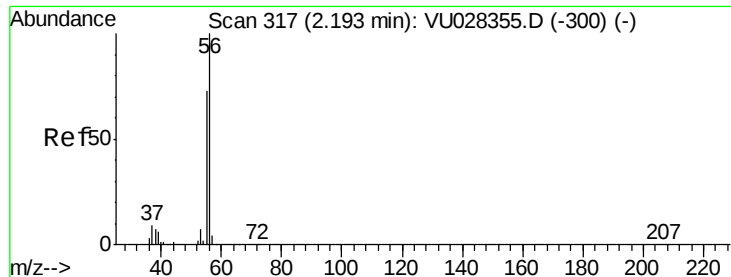


#12

1,1-Dichloroethene
Concen: 54.445 ug/l
RT: 2.28 min Scan# 345
Delta R.T. 0.00 min
Lab File: VU028468.D
Acq: 05 Dec 2018 09:55

Tgt Ion	Ratio	Lower	Upper
96	100		
61	173.9	158.1	237.1
98	62.8	51.4	77.2





#13

Acrolein

Concen: 227.864 ug/l

RT: 2.19 min Scan# 317

Delta R.T. 0.00 min

Lab File: VU028468.D

Acq: 05 Dec 2018 09:55

Instrument :

MSVOA_U

ClientSampleId :

VSTDCCC050

Tgt Ion: 56 Resp: 291241

Ion Ratio Lower Upper

56 100

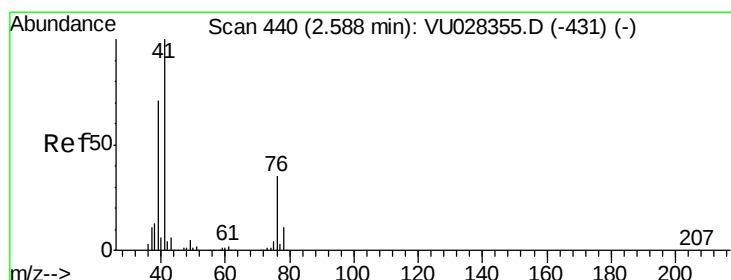
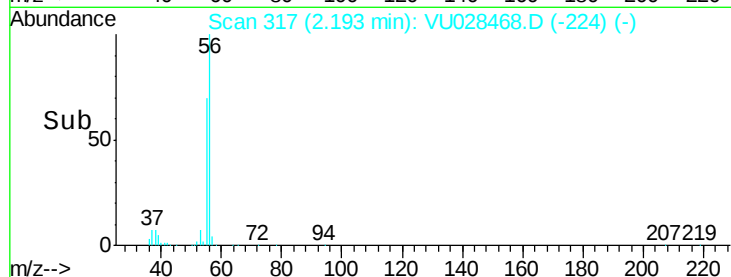
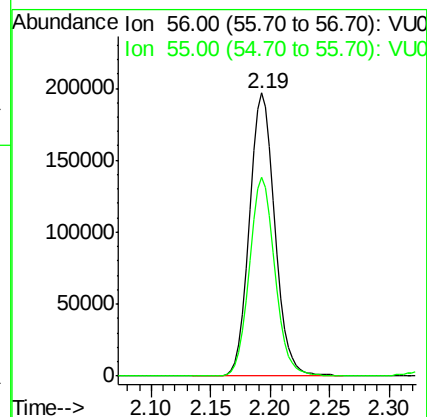
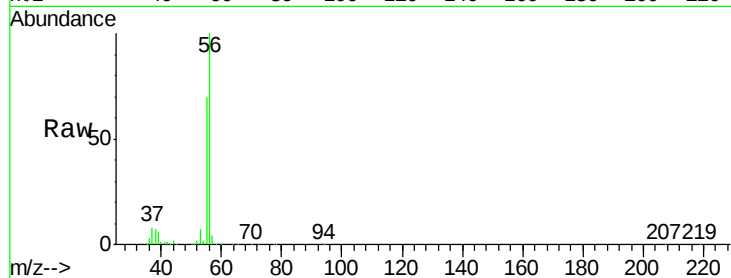
55 70.3 56.6 85.0

Manual Integrations

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#14

Allyl chloride

Concen: 41.966 ug/l

RT: 2.59 min Scan# 441

Delta R.T. 0.00 min

Lab File: VU028468.D

Acq: 05 Dec 2018 09:55

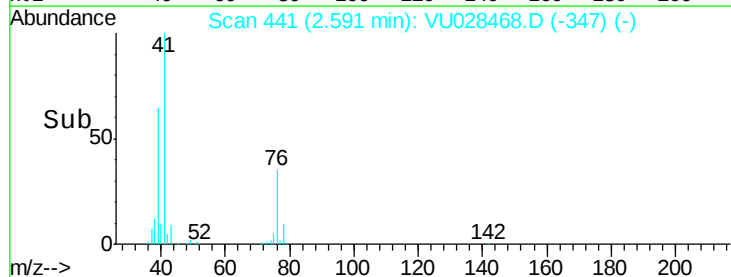
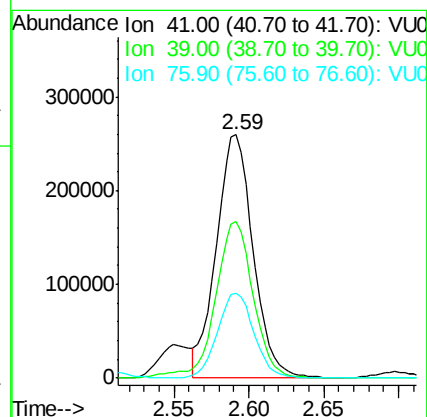
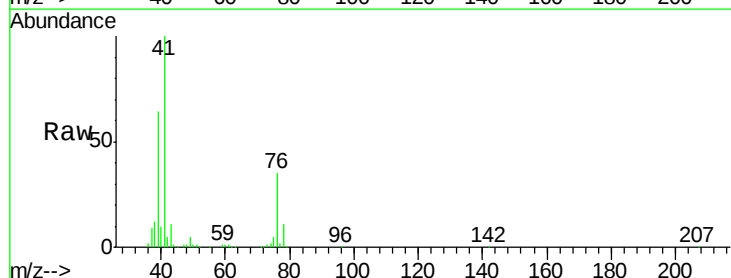
Tgt Ion: 41 Resp: 443538

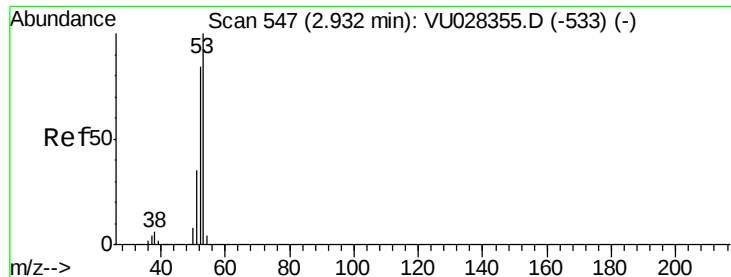
Ion Ratio Lower Upper

41 100

39 66.1 51.6 77.4

76 34.7 24.4 36.6





#15

Acrylonitrile

Concen: 229.743 ug/l

RT: 2.93 min Scan# 547

Delta R.T. 0.00 min

Lab File: VU028468.D

Acq: 05 Dec 2018 09:55

Instrument :

MSVOA_U

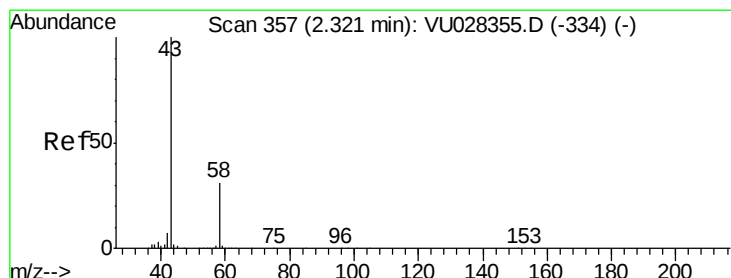
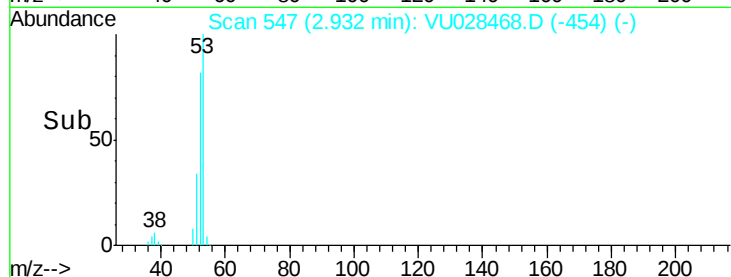
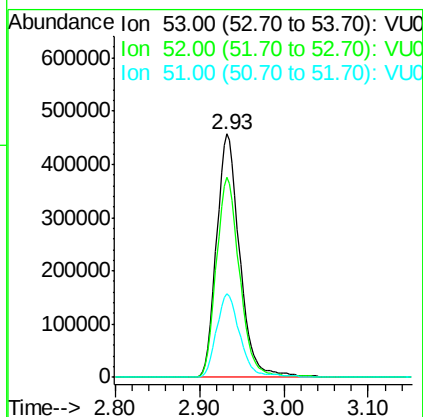
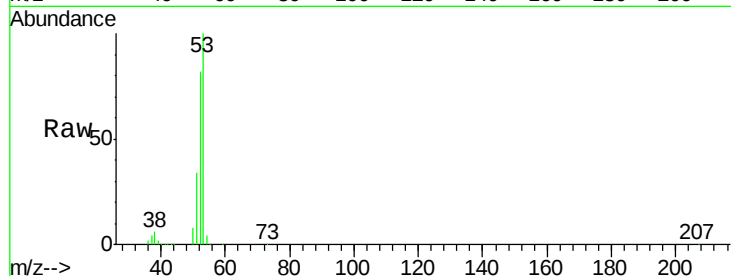
ClientSampleId :

VSTDCCC050

Tgt Ion:	53	Resp:	873708
Ion	Ratio	Lower	Upper
53	100		
52	82.8	65.7	98.5
51	35.1	27.8	41.6

Manual Integrations
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#16

Acetone

Concen: 237.919 ug/l

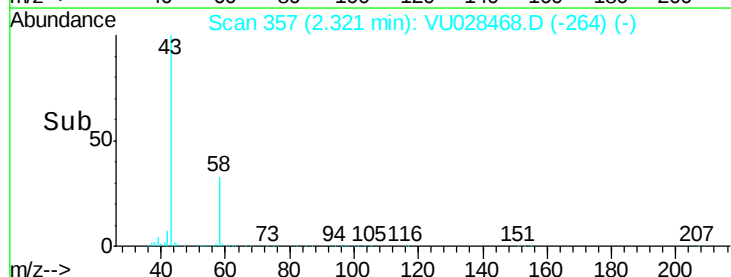
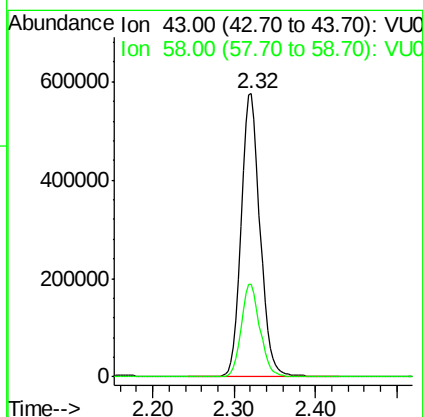
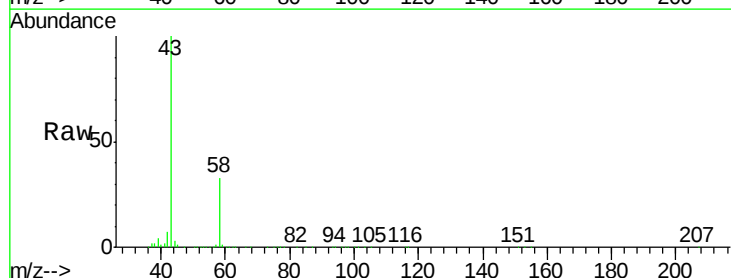
RT: 2.32 min Scan# 357

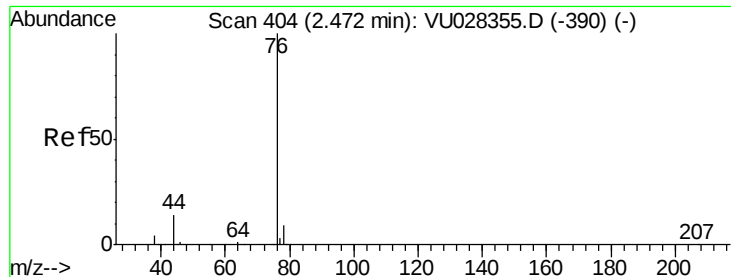
Delta R.T. 0.00 min

Lab File: VU028468.D

Acq: 05 Dec 2018 09:55

Tgt Ion:	43	Resp:	921038
Ion	Ratio	Lower	Upper
43	100		
58	32.6	24.4	36.6





#17

Carbon Disulfide

Concen: 45.493 ug/l

RT: 2.48 min Scan# 405

Delta R.T. 0.00 min

Lab File: VU028468.D

Acq: 05 Dec 2018 09:55

Instrument :

MSVOA_U

ClientSampleId :

VSTDCCC050

Tgt Ion: 76 Resp: 706369

Ion Ratio Lower Upper

76 100

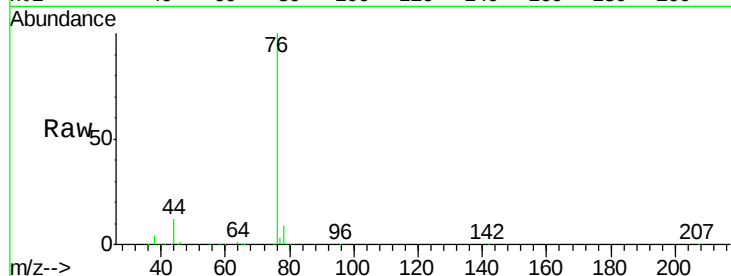
78 9.1 7.4 11.2

Manual Integrations

APPROVED

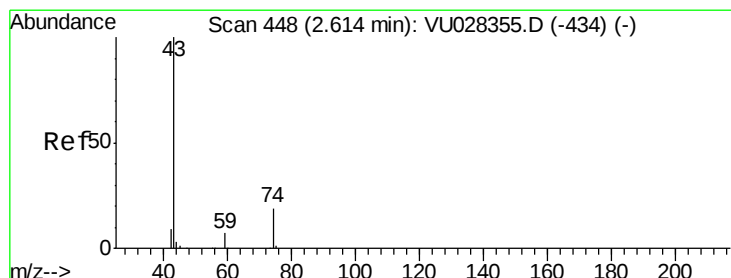
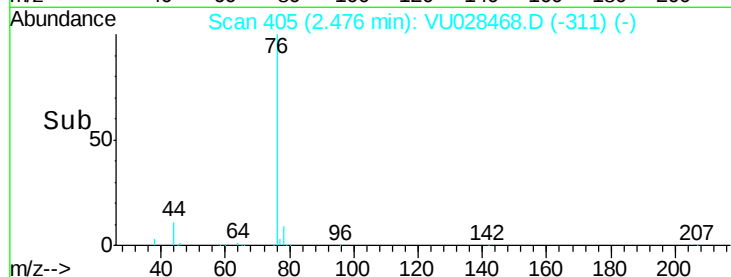
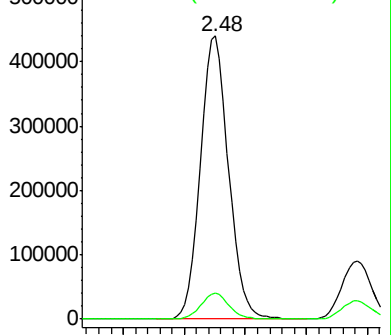
MMDadoda

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Abundance Ion 75.90 (75.60 to 76.60): VU0

Ion 77.90 (77.60 to 78.60): VU0



#18

Methyl Acetate

Concen: 45.300 ug/l

RT: 2.61 min Scan# 448

Delta R.T. 0.00 min

Lab File: VU028468.D

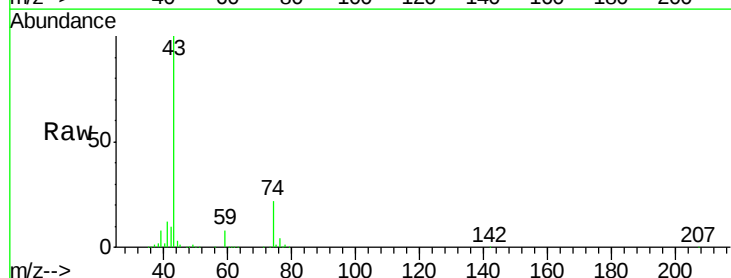
Acq: 05 Dec 2018 09:55

Tgt Ion: 43 Resp: 488264

Ion Ratio Lower Upper

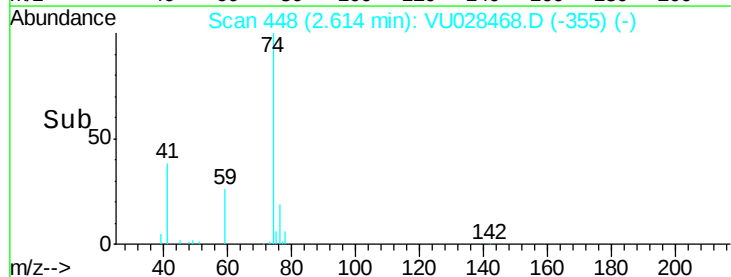
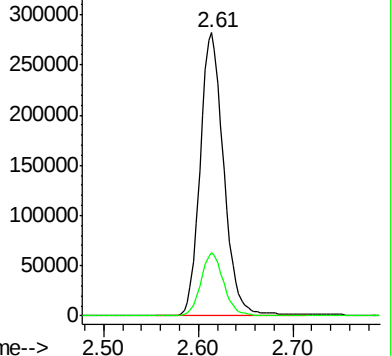
43 100

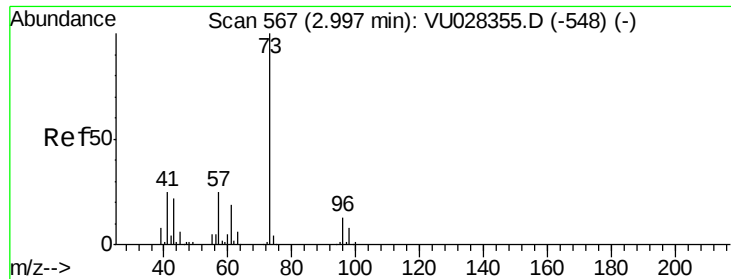
74 21.7 15.3 22.9



Abundance Ion 43.00 (42.70 to 43.70): VU0

Ion 74.00 (73.70 to 74.70): VU0





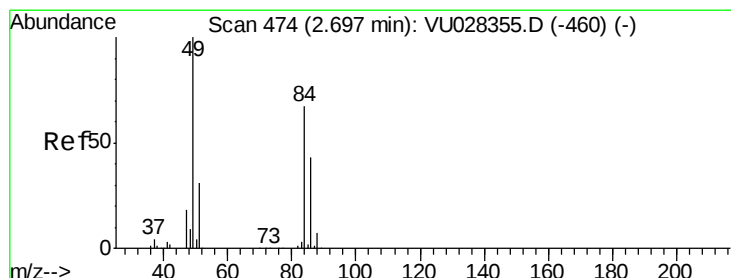
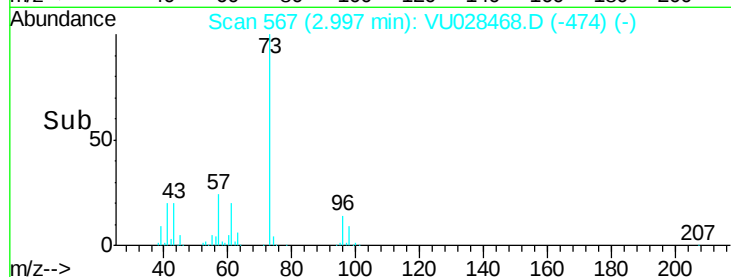
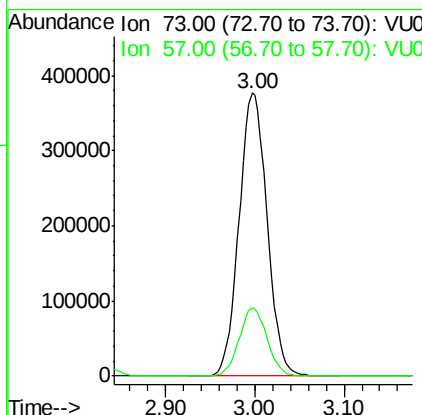
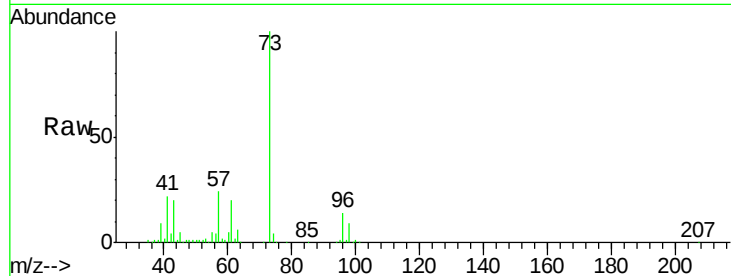
#19
Methyl tert-butyl Ether
Concen: 49.603 ug/l
RT: 3.00 min Scan# 567
Delta R.T. 0.00 min
Lab File: VU028468.D
Acq: 05 Dec 2018 09:55

Instrument :
MSVOA_U
ClientSampleId :
VSTDCCC050

Tgt Ion	Ratio	Lower	Upper
73	100		
57	24.2	20.1	30.1

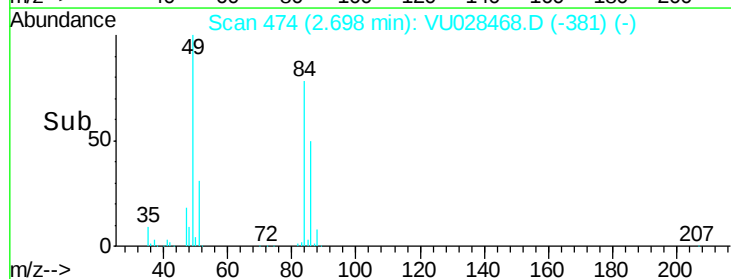
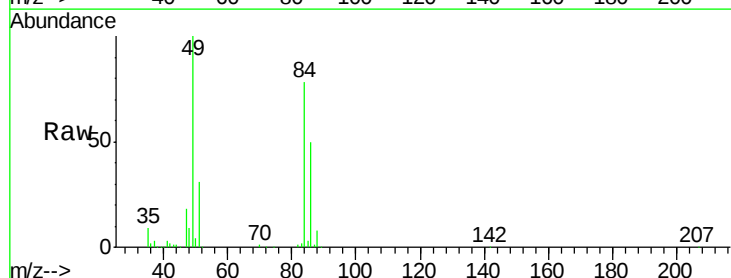
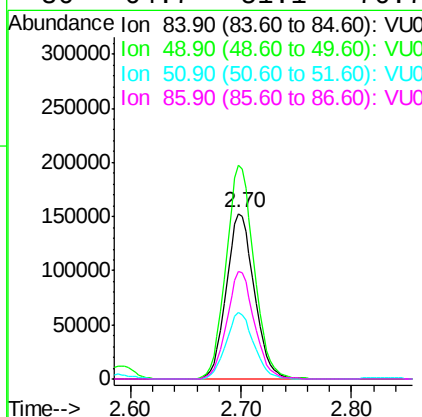
Manual Integrations
APPROVED

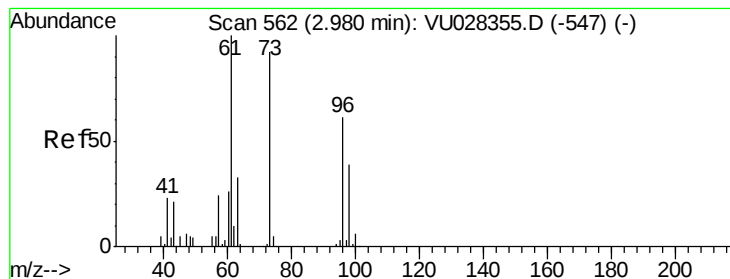
MMDadoda
12/6/2018 4:53:08 PM



#20
Methylene Chloride
Concen: 49.253 ug/l
RT: 2.70 min Scan# 474
Delta R.T. 0.00 min
Lab File: VU028468.D
Acq: 05 Dec 2018 09:55

Tgt Ion	Ratio	Lower	Upper
84	100		
49	129.0	120.0	180.0
51	40.1	36.9	55.3
86	64.7	51.1	76.7





#21

trans-1,2-Dichloroethene

Concen: 50.805 ug/l

RT: 2.98 min Scan# 562

Delta R.T. 0.00 min

Lab File: VU028468.D

Acq: 05 Dec 2018 09:55

Instrument :

MSVOA_U

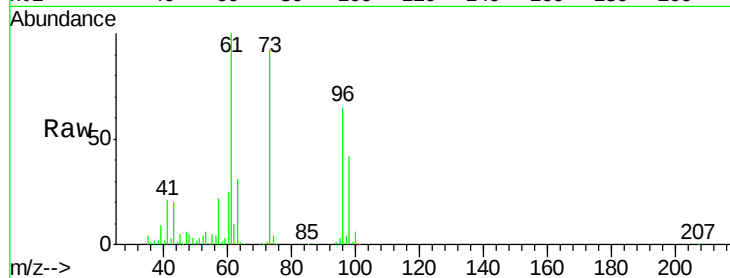
ClientSampleId :

VSTDCCC050

Tgt Ion:	96	Resp:	238349
Ion	Ratio	Lower	Upper
96	100		
61	152.9	131.1	196.7
98	63.6	51.7	77.5

Manual Integrations
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12/6/2018 4:53:08 PM

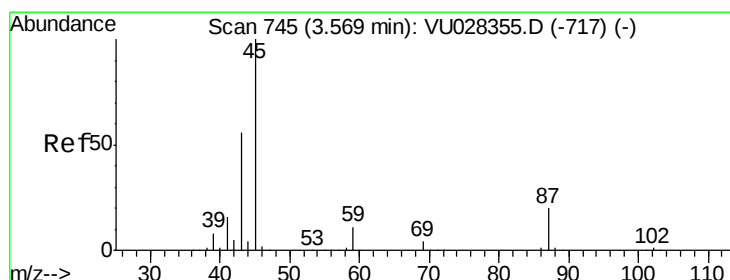
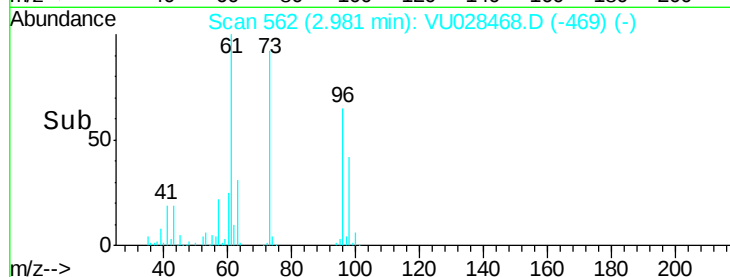
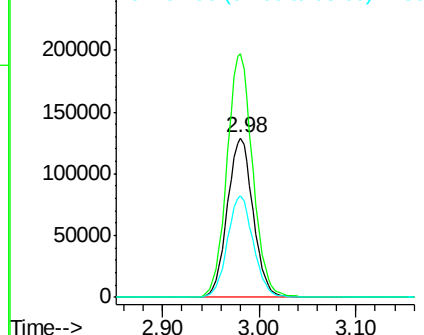


Abundance

Ion 95.90 (95.60 to 96.60): VU028355.D (-547) (-)

Ion 60.90 (60.60 to 61.60): VU028355.D (-547) (-)

Ion 97.90 (97.60 to 98.60): VU028355.D (-547) (-)



#22

Diisopropyl ether

Concen: 44.978 ug/l

RT: 3.57 min Scan# 745

Delta R.T. 0.00 min

Lab File: VU028468.D

Acq: 05 Dec 2018 09:55

Tgt Ion:	45	Resp:	935913
Ion	Ratio	Lower	Upper
45	100		
43	55.5	44.8	67.2
87	24.0	16.3	24.5
59	11.4	8.6	12.8

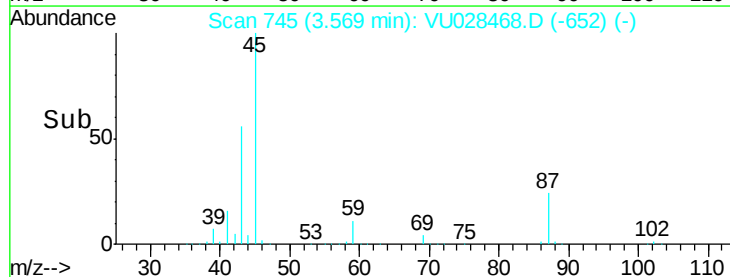
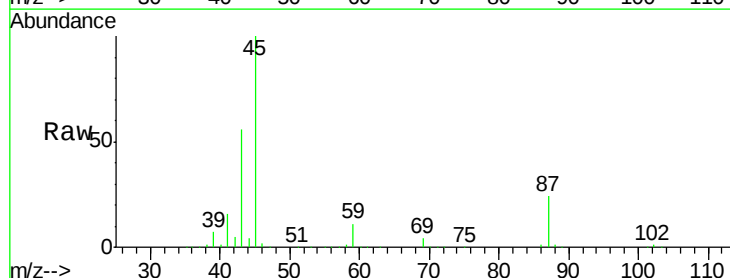
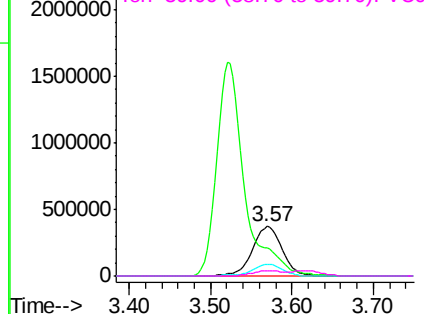
Abundance

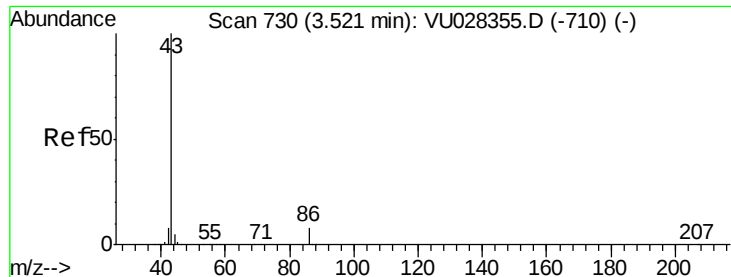
Ion 45.00 (44.70 to 45.70): VU028355.D (-717) (-)

Ion 43.00 (42.70 to 43.70): VU028355.D (-717) (-)

Ion 87.00 (86.70 to 87.70): VU028355.D (-717) (-)

Ion 59.00 (58.70 to 59.70): VU028355.D (-717) (-)





#23

Vinyl Acetate

Concen: 224.330 ug/l

RT: 3.52 min Scan# 730

Delta R.T. 0.00 min

Lab File: VU028468.D

Acq: 05 Dec 2018 09:55

Instrument :

MSVOA_U

ClientSampleId :

VSTDCCC050

Tgt Ion: 43 Resp: 3880016

Ion Ratio Lower Upper

43 100

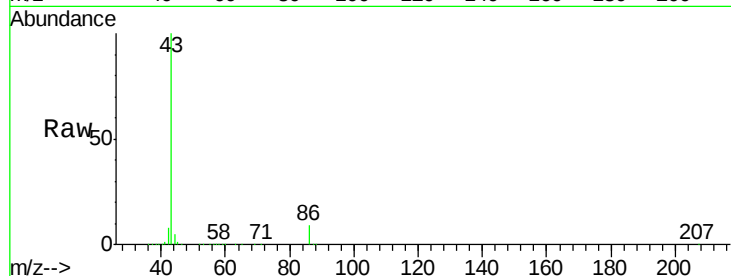
86 9.1 6.5 9.7

Manual Integrations

APPROVED

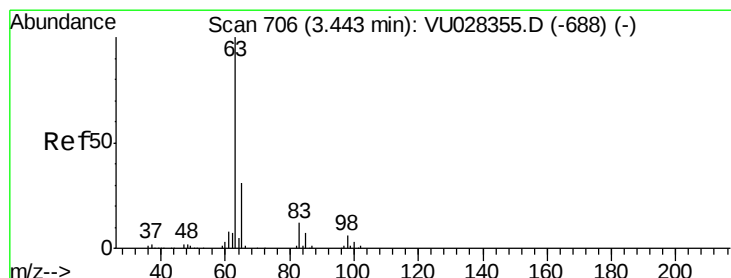
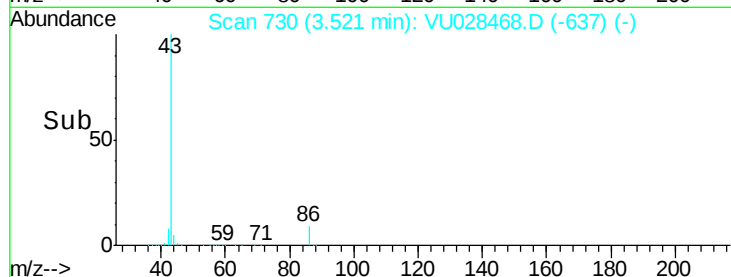
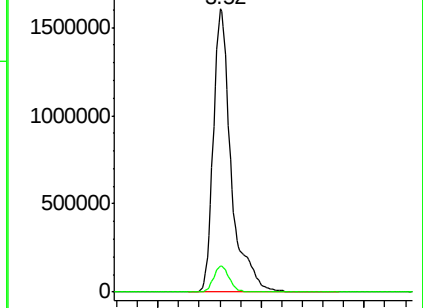
MMDadoda

12/6/2018 4:53:08 PM



Abundance Ion 43.00 (42.70 to 43.70): VU028355.D (-710) (-)

Ion 86.00 (85.70 to 86.70): VU028355.D (-710) (-)



#24

1,1-Dichloroethane

Concen: 48.122 ug/l

RT: 3.44 min Scan# 706

Delta R.T. 0.00 min

Lab File: VU028468.D

Acq: 05 Dec 2018 09:55

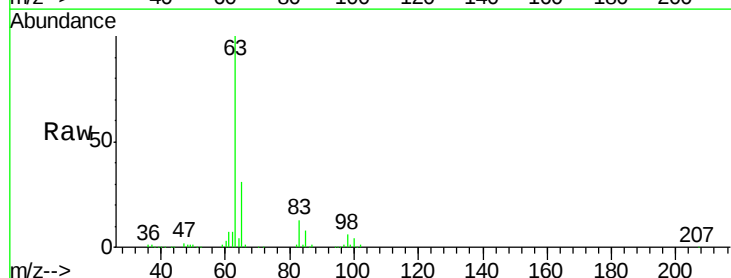
Tgt Ion: 63 Resp: 493693

Ion Ratio Lower Upper

63 100

98 6.0 2.9 8.6

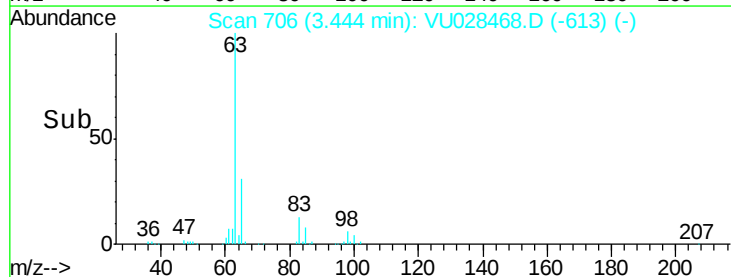
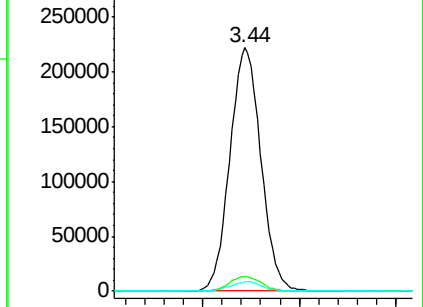
100 3.8 1.7 5.1

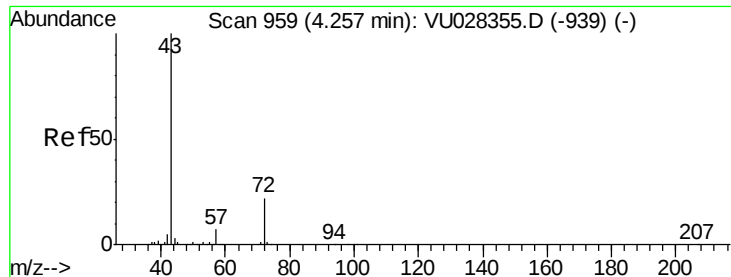


Abundance Ion 62.90 (62.60 to 63.60): VU028355.D (-688) (-)

Ion 97.90 (97.60 to 98.60): VU028355.D (-688) (-)

Ion 99.90 (99.60 to 100.60): VU028355.D (-688) (-)





#25

2-Butanone

Concen: 225.967 ug/l

RT: 4.26 min Scan# 959

Delta R.T. 0.00 min

Lab File: VU028468.D

Acq: 05 Dec 2018 09:55

Instrument :

MSVOA_U

ClientSampleId :

VSTDCCC050

Tgt Ion: 43 Resp: 1253681

Ion Ratio Lower Upper

43 100

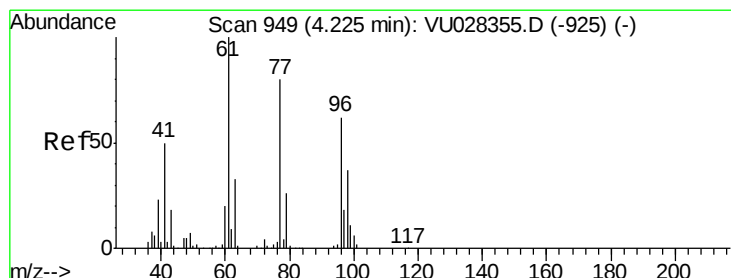
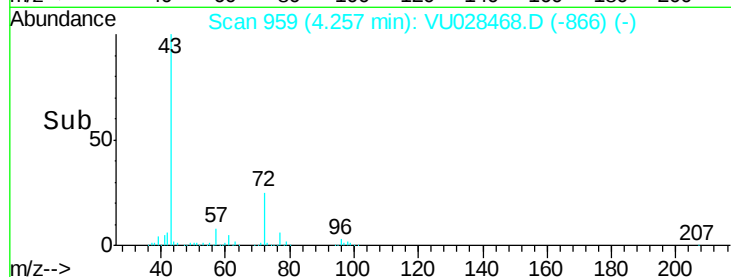
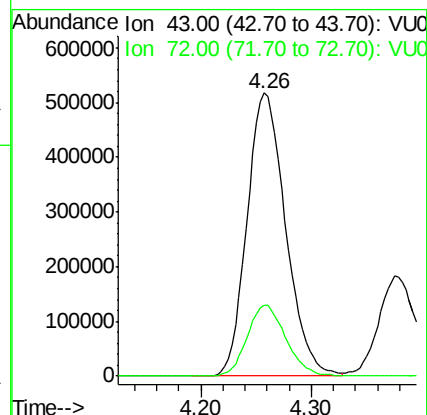
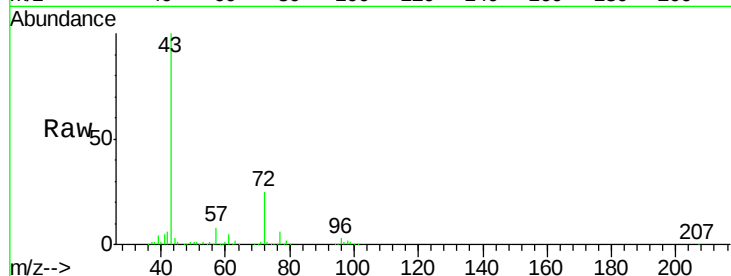
72 25.1 17.7 26.5

Manual Integrations

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#26

2,2-Dichloropropane

Concen: 49.879 ug/l

RT: 4.22 min Scan# 949

Delta R.T. 0.00 min

Lab File: VU028468.D

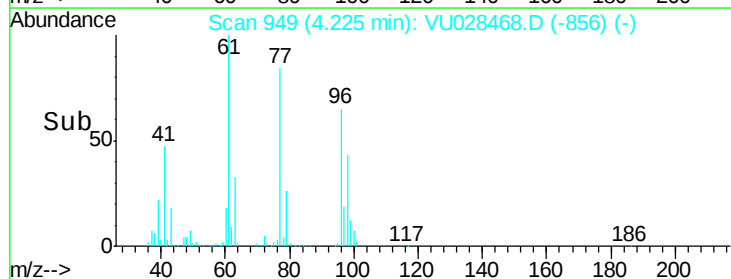
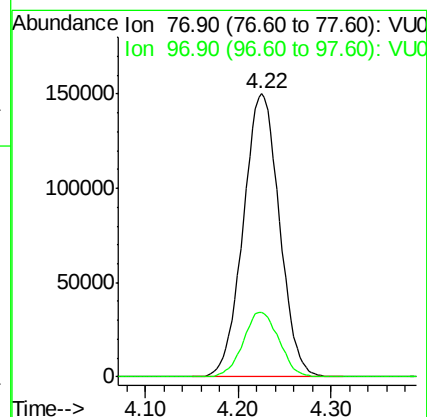
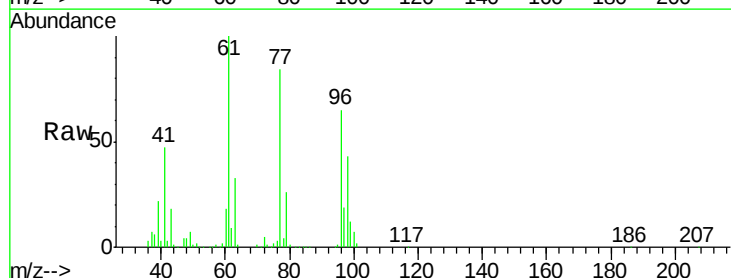
Acq: 05 Dec 2018 09:55

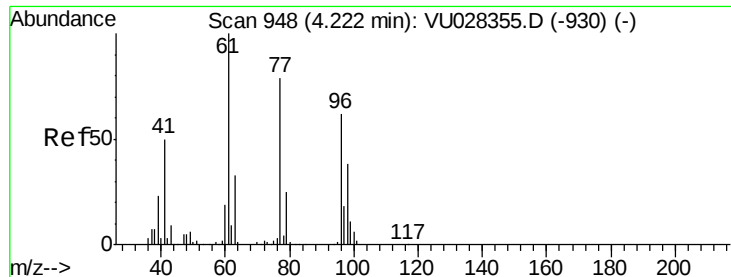
Tgt Ion: 77 Resp: 406398

Ion Ratio Lower Upper

77 100

97 22.7 10.7 32.1





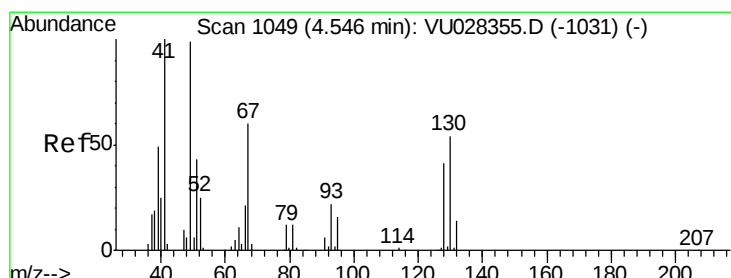
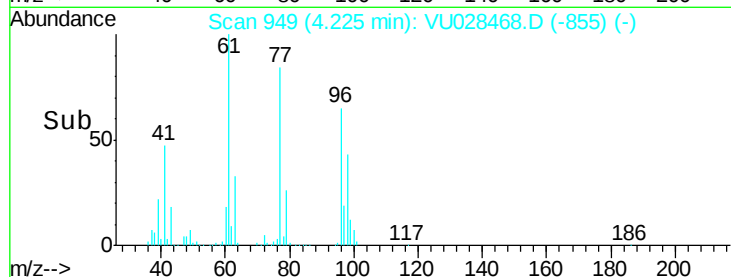
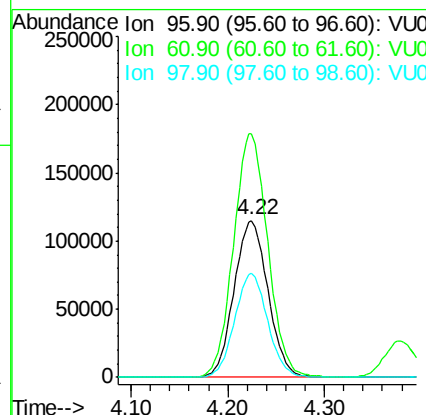
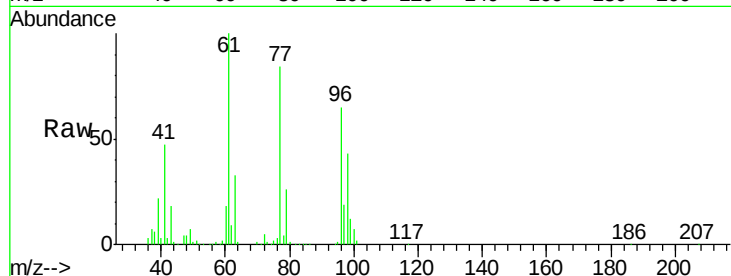
#27
 cis-1,2-Dichloroethene
 Concen: 50.536 ug/l
 RT: 4.22 min Scan# 949
 Delta R.T. 0.00 min
 Lab File: VU028468.D
 Acq: 05 Dec 2018 09:55

Instrument :
 MSVOA_U
 ClientSampleId :
 VSTDCCC050

Tgt Ion	Ratio	Resp	Lower	Upper
96	100	280388		
61	156.6	0.0	342.0	
98	64.7	0.0	126.4	

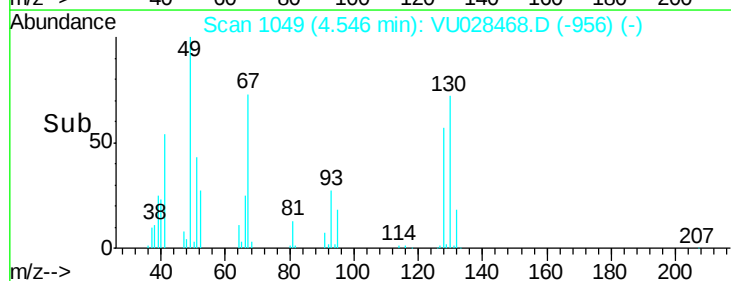
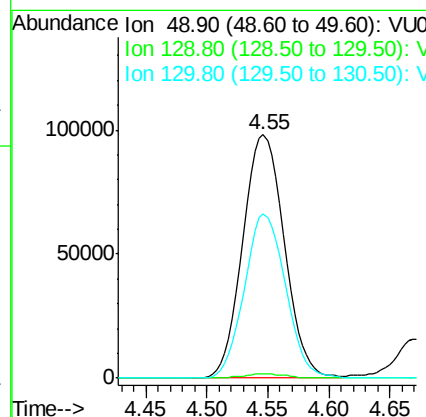
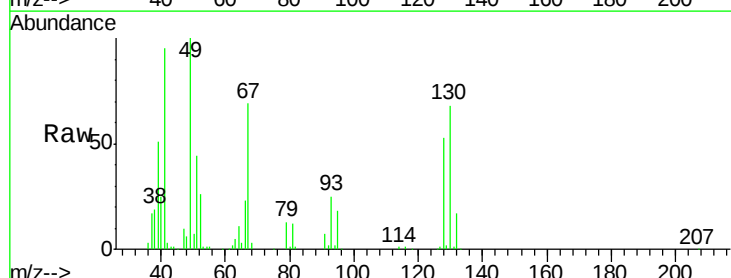
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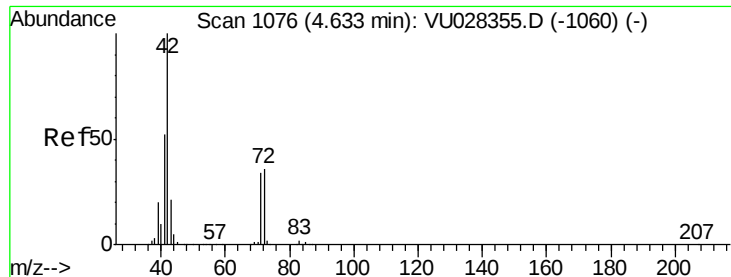
MMDadoda
 12/6/2018 4:53:08 PM



#28
 Bromochloromethane
 Concen: 45.272 ug/l
 RT: 4.55 min Scan# 1049
 Delta R.T. 0.00 min
 Lab File: VU028468.D
 Acq: 05 Dec 2018 09:55

Tgt Ion	Ratio	Resp	Lower	Upper
49	100	232236		
129	1.8	0.0	2.6	
130	66.9	44.5	66.7#	





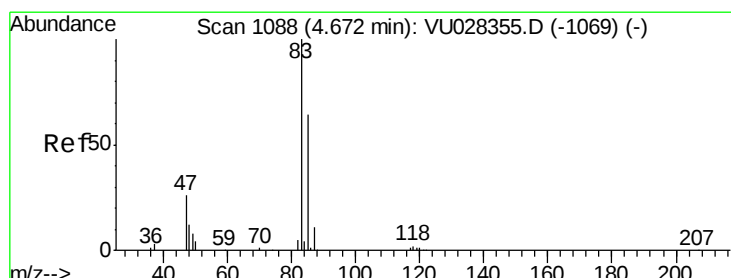
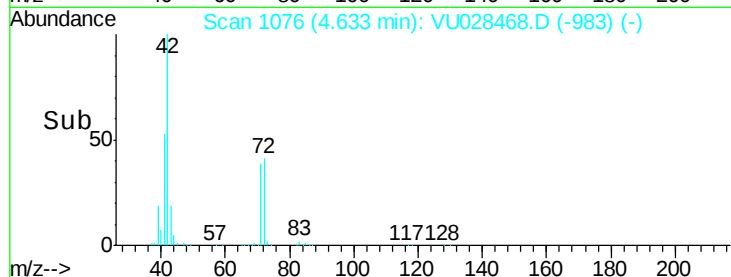
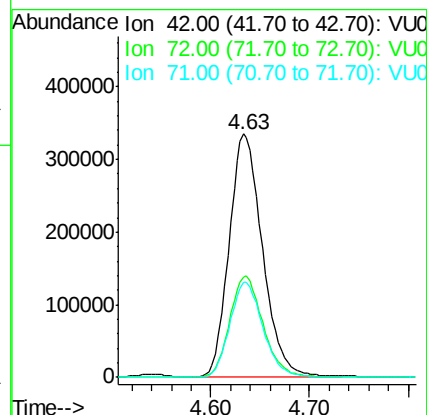
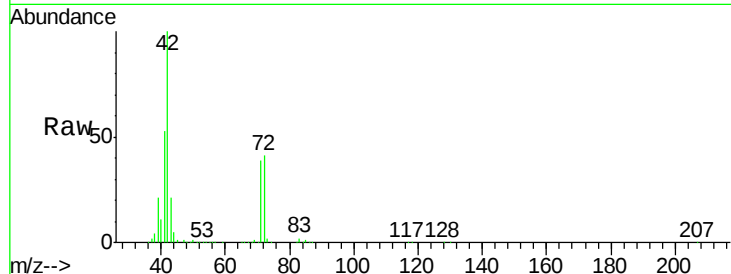
#29
Tetrahydrofuran
Concen: 219.025 ug/l
RT: 4.63 min Scan# 1076
Delta R.T. 0.00 min
Lab File: VU028468.D
Acq: 05 Dec 2018 09:55

Instrument :
MSVOA_U
ClientSampleId :
VSTDCCC050

Tgt Ion	Ratio	Lower	Upper
42	100		
72	41.9	29.5	44.3
71	39.0	27.7	41.5

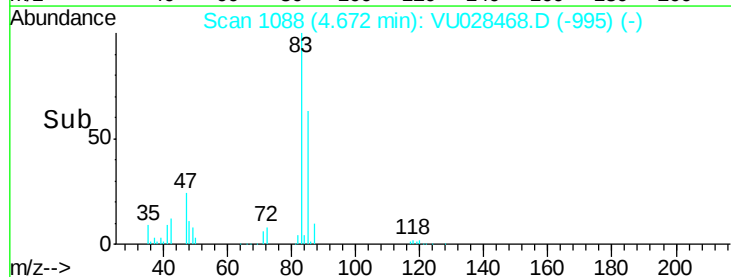
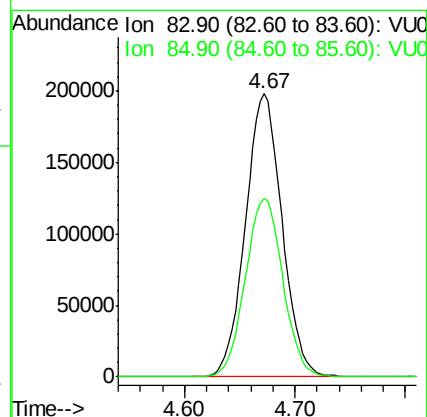
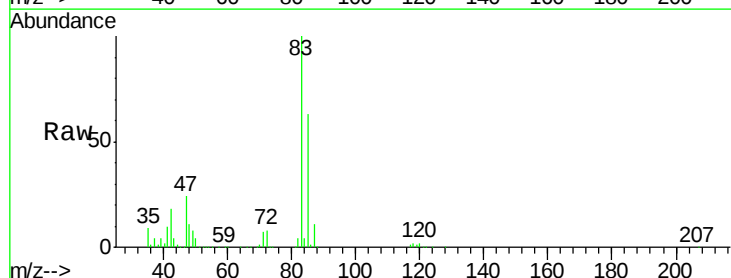
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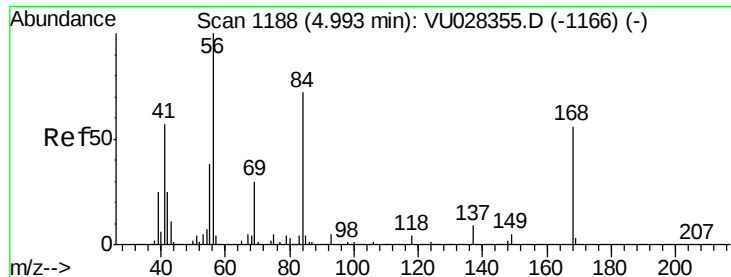
MMDadoda
12/6/2018 4:53:08 PM



#30
Chloroform
Concen: 48.116 ug/l
RT: 4.67 min Scan# 1088
Delta R.T. 0.00 min
Lab File: VU028468.D
Acq: 05 Dec 2018 09:55

Tgt Ion	Ratio	Lower	Upper
83	100		
85	62.8	51.2	76.8





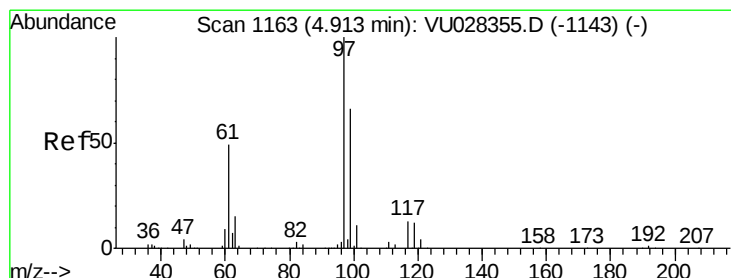
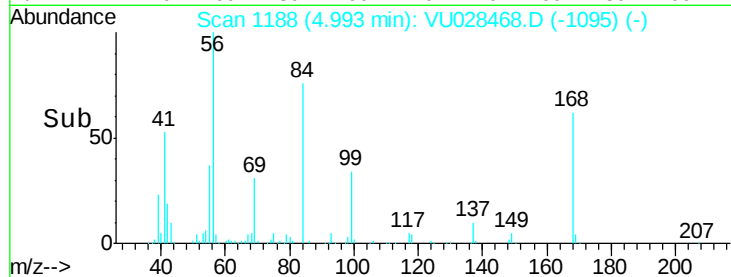
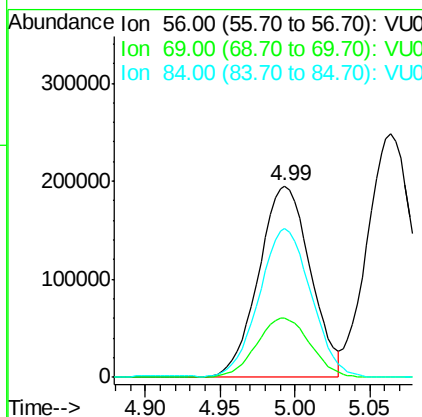
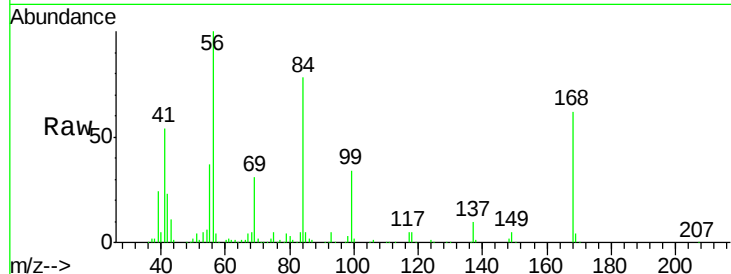
#31
Cyclohexane
Concen: 44.546 ug/l
RT: 4.99 min Scan# 1188
Delta R.T. 0.00 min
Lab File: VU028468.D
Acq: 05 Dec 2018 09:55

Instrument :
MSVOA_U
ClientSampleId :
VSTDCCC050

Tgt Ion	Ratio	Lower	Upper
56	100		
69	31.0	23.7	35.5
84	76.9	57.3	85.9

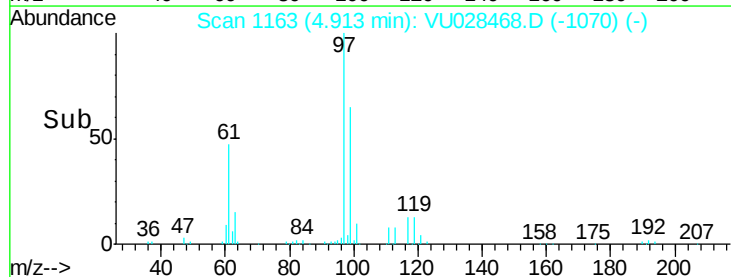
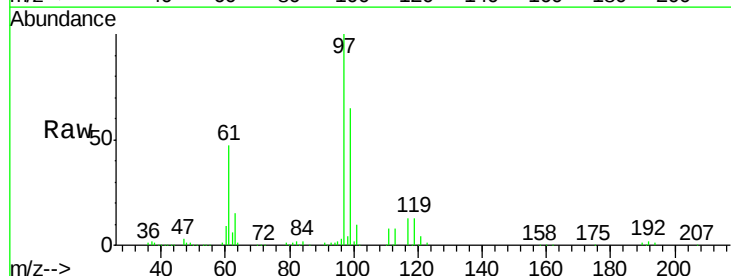
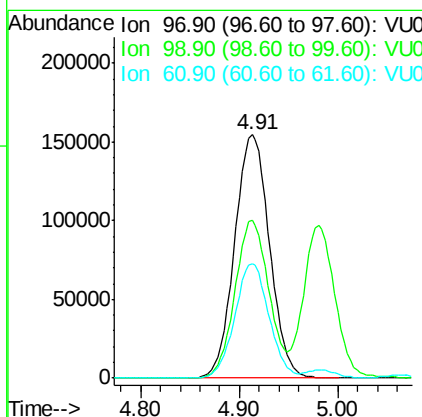
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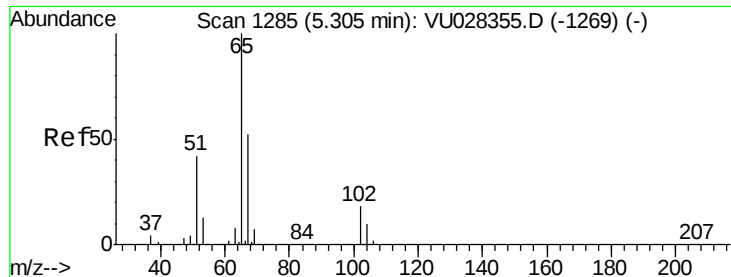
MMDadoda
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#32
1,1,1-Trichloroethane
Concen: 49.815 ug/l
RT: 4.91 min Scan# 1163
Delta R.T. 0.00 min
Lab File: VU028468.D
Acq: 05 Dec 2018 09:55

Tgt Ion	Ratio	Lower	Upper
97	100		
99	63.4	50.8	76.2
61	46.2	39.1	58.7





#33

1,2-Dichloroethane-d4

Concen: 46.084 ug/l

RT: 5.31 min Scan# 1285

Delta R.T. 0.00 min

Lab File: VU028468.D

Acq: 05 Dec 2018 09:55

Instrument :

MSVOA_U

ClientSampleId :

VSTDCCC050

Tgt Ion: 65 Resp: 291639

Ion Ratio Lower Upper

65 100

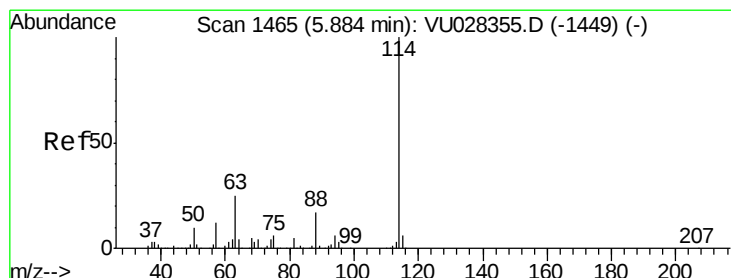
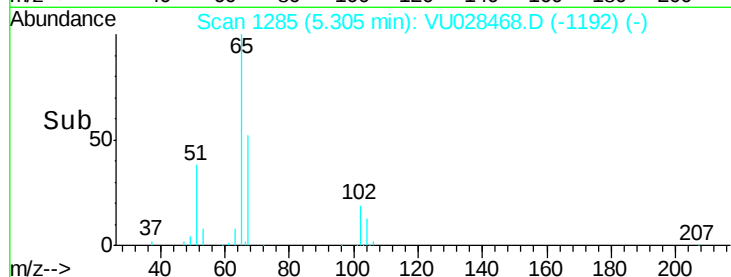
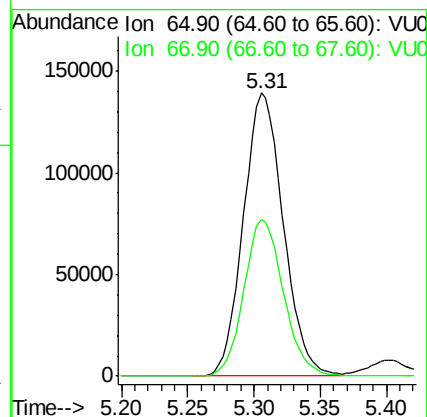
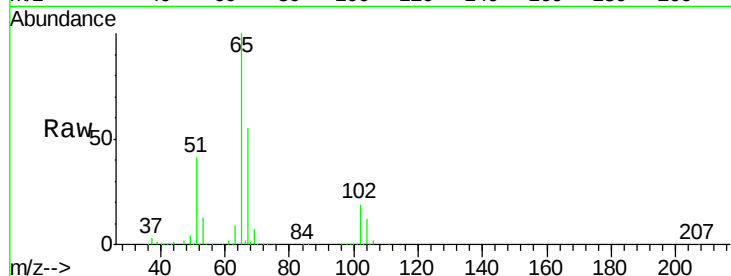
67 54.8 0.0 106.8

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#34

1,4-Difluorobenzene

Concen: 50.000 ug/l

RT: 5.88 min Scan# 1465

Delta R.T. 0.00 min

Lab File: VU028468.D

Acq: 05 Dec 2018 09:55

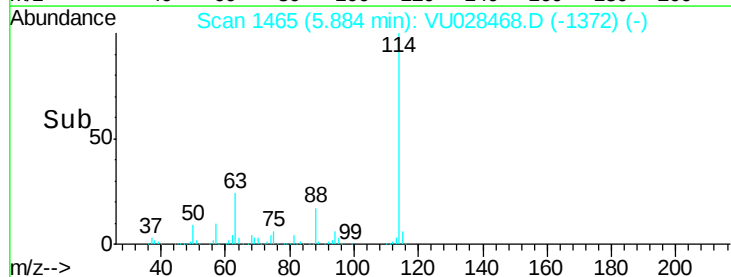
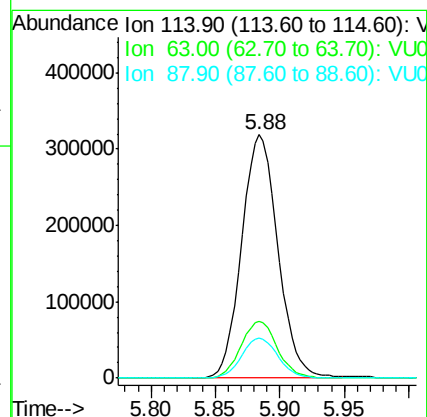
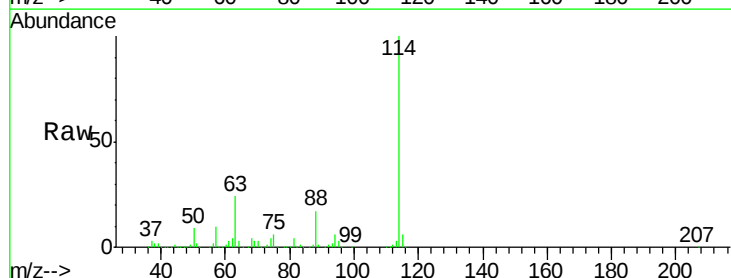
Tgt Ion: 114 Resp: 625213

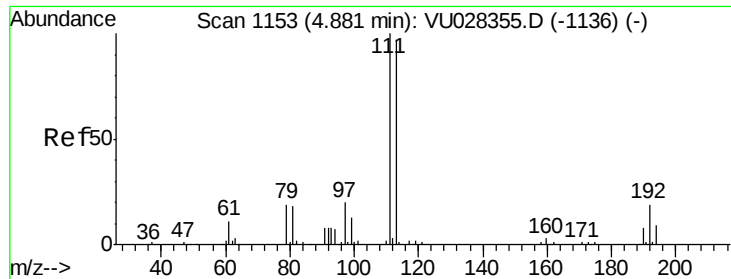
Ion Ratio Lower Upper

114 100

63 23.5 0.0 50.0

88 16.6 0.0 34.4





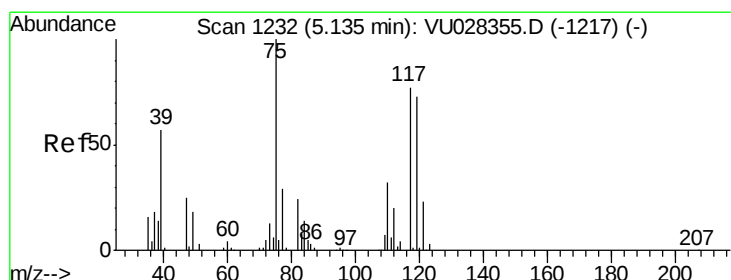
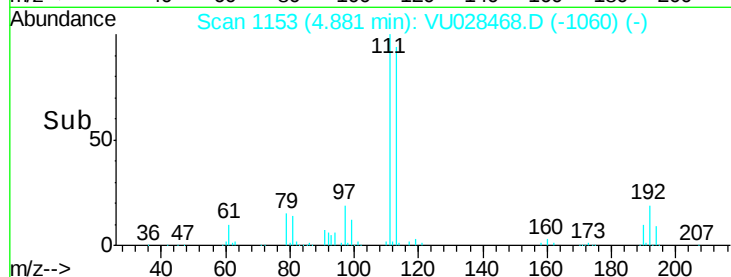
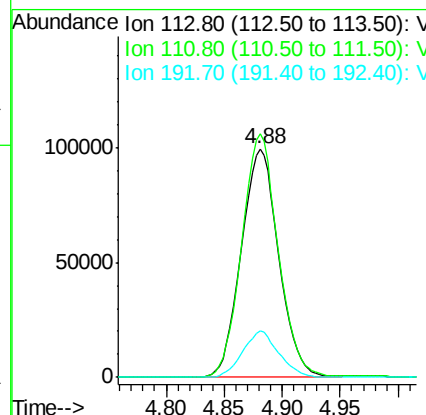
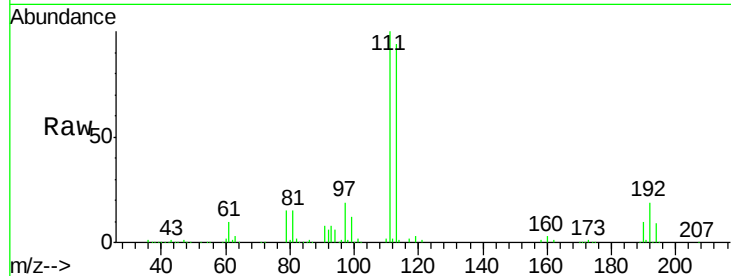
#35
Dibromofluoromethane
Concen: 53.768 ug/l
RT: 4.88 min Scan# 1153
Delta R.T. 0.00 min
Lab File: VU028468.D
Acq: 05 Dec 2018 09:55

Instrument :
MSVOA_U
ClientSampleId :
VSTDCCC050

Tgt Ion	Ratio	Resp	Lower	Upper
113	100	223538		
111	103.6	82.9	124.3	
192	19.6	15.4	23.0	

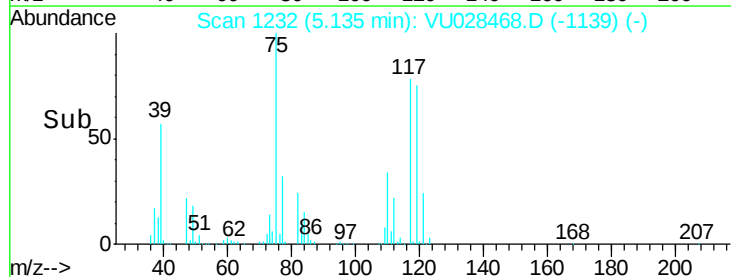
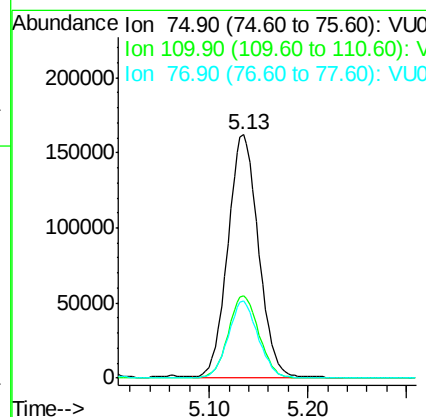
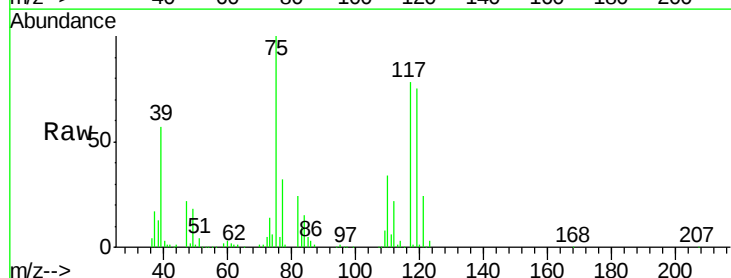
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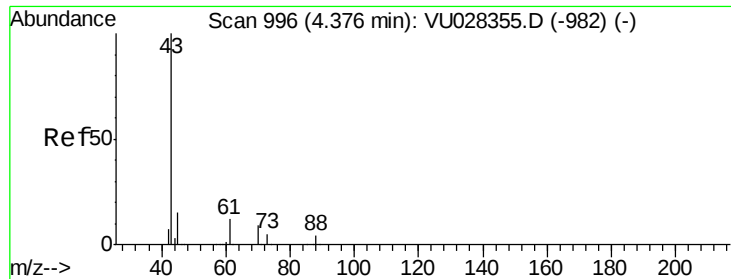
MMDadoda
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#36
1,1-Dichloropropene
Concen: 51.230 ug/l
RT: 5.13 min Scan# 1232
Delta R.T. 0.00 min
Lab File: VU028468.D
Acq: 05 Dec 2018 09:55

Tgt Ion	Ratio	Resp	Lower	Upper
75	100	350499		
110	34.2	15.8	47.4	
77	31.2	24.6	36.8	





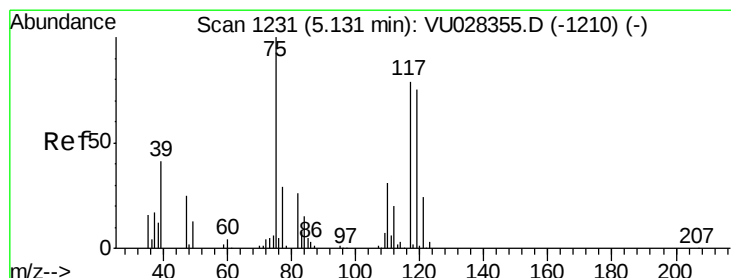
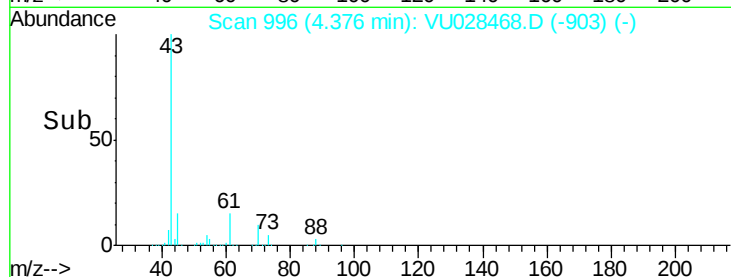
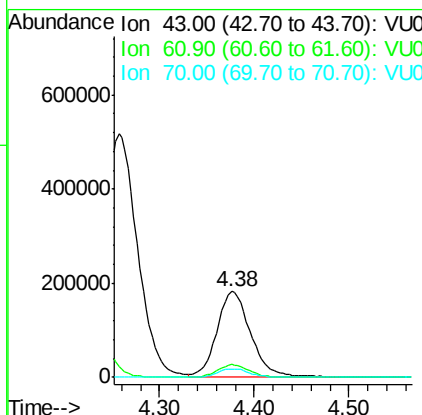
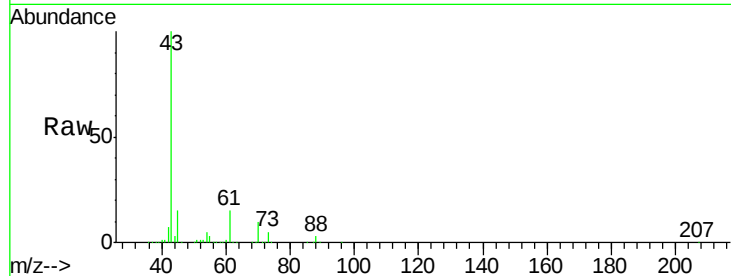
#37
Ethyl Acetate
Concen: 47.572 ug/l
RT: 4.38 min Scan# 996
Delta R.T. 0.00 min
Lab File: VU028468.D
Acq: 05 Dec 2018 09:55

Instrument :
MSVOA_U
ClientSampleId :
VSTDCCC050

Tgt Ion	Ratio	Lower	Upper
43	100		
61	13.8	10.2	15.4
70	10.0	6.9	10.3

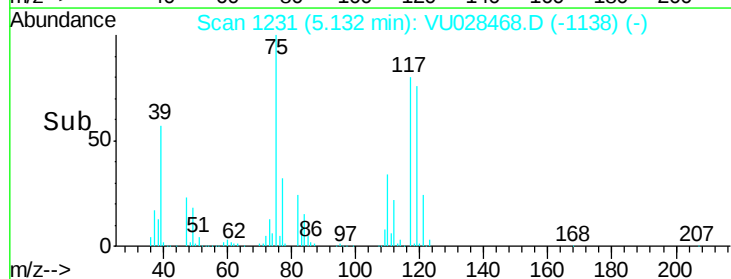
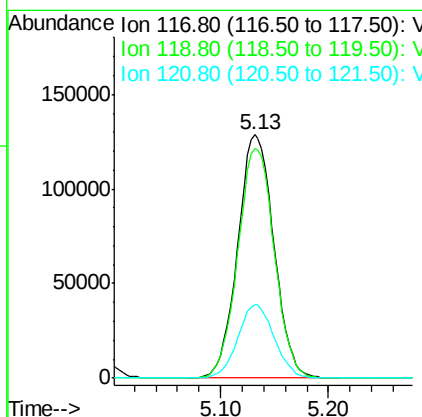
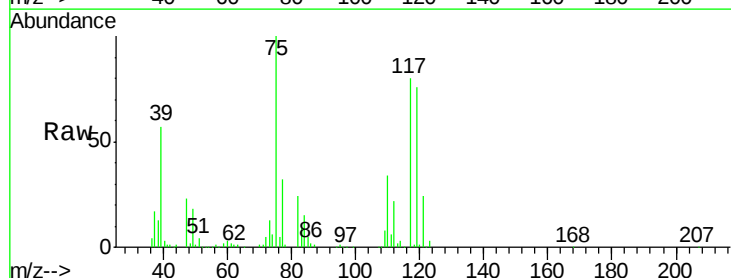
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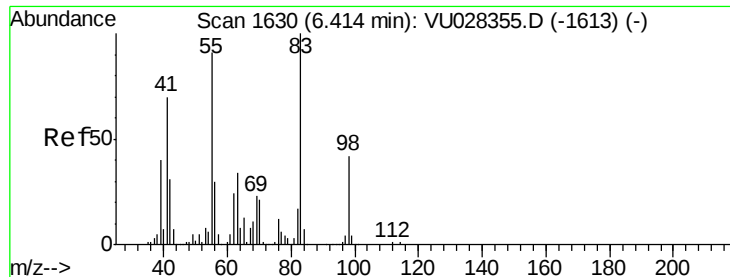
MMDadoda
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#38
Carbon Tetrachloride
Concen: 53.400 ug/l
RT: 5.13 min Scan# 1231
Delta R.T. 0.00 min
Lab File: VU028468.D
Acq: 05 Dec 2018 09:55

Tgt Ion	Ratio	Lower	Upper
117	100		
119	94.4	76.3	114.5
121	30.0	24.7	37.1





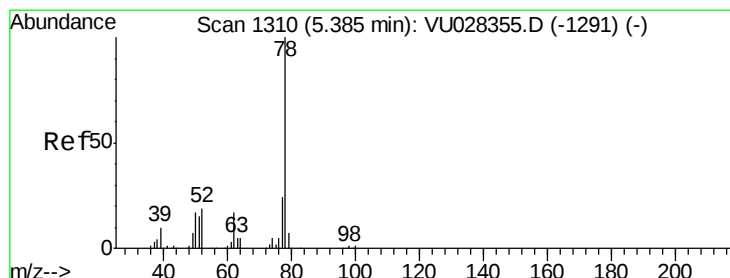
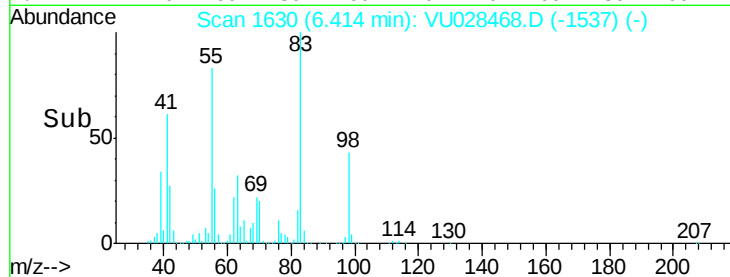
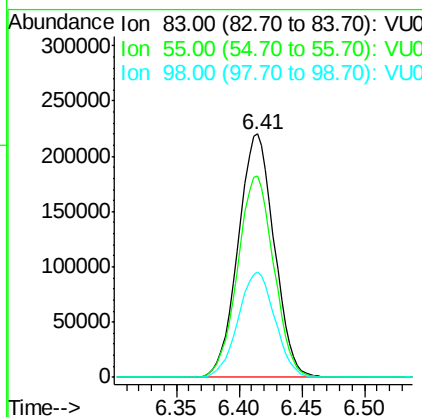
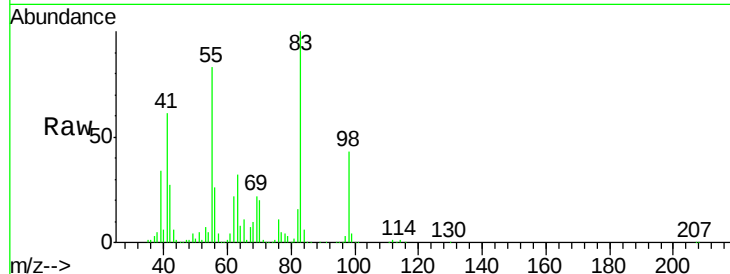
#39
Methylcyclohexane
Concen: 54.557 ug/l
RT: 6.41 min Scan# 1630
Delta R.T. 0.00 min
Lab File: VU028468.D
Acq: 05 Dec 2018 09:55

Instrument :
MSVOA_U
ClientSampleId :
VSTDCCC050

Tgt Ion	Ratio	Lower	Upper
83	100		
55	82.5	73.1	109.7
98	43.4	33.9	50.9

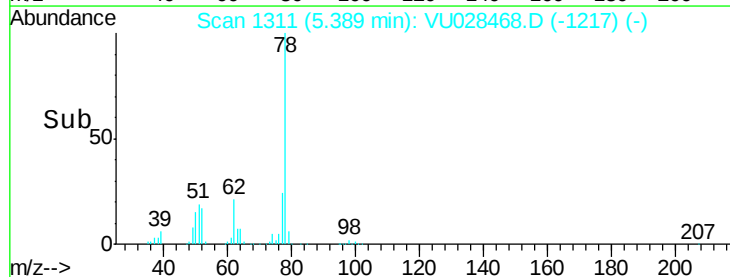
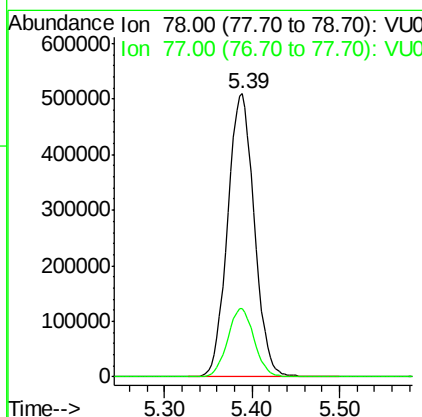
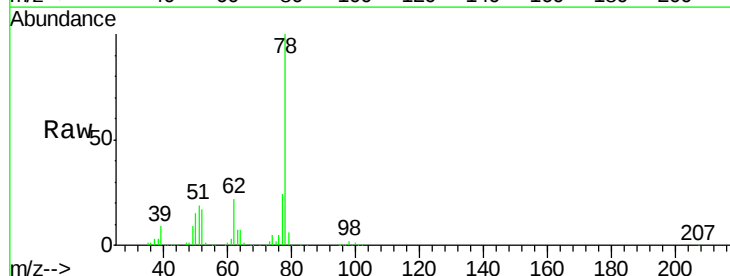
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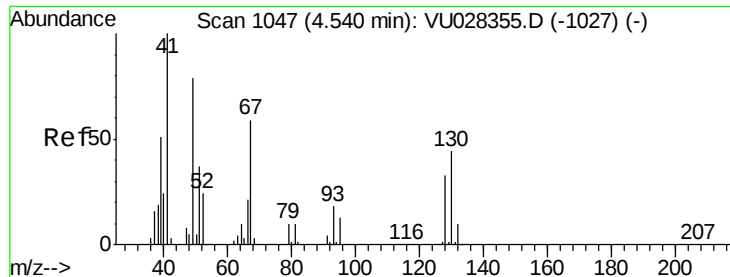
MMDadoda
12/6/2018 4:53:08 PM



#40
Benzene
Concen: 53.357 ug/l
RT: 5.39 min Scan# 1311
Delta R.T. 0.00 min
Lab File: VU028468.D
Acq: 05 Dec 2018 09:55

Tgt Ion	Ratio	Lower	Upper
78	100		
77	24.3	19.0	28.6





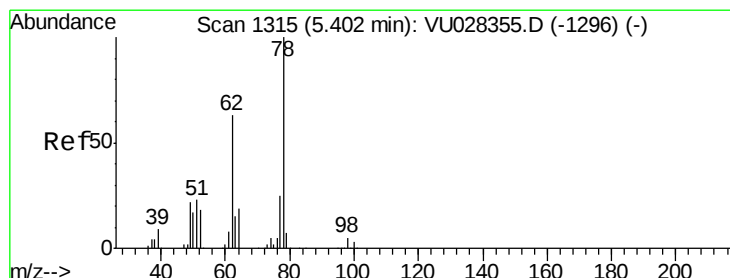
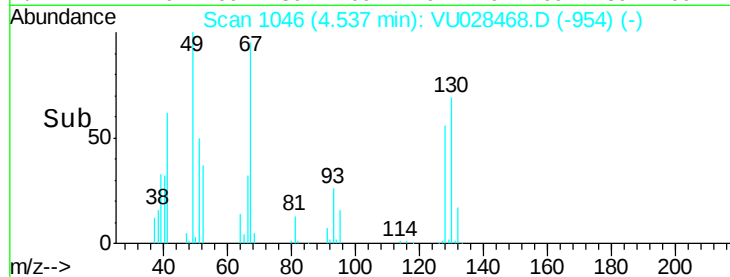
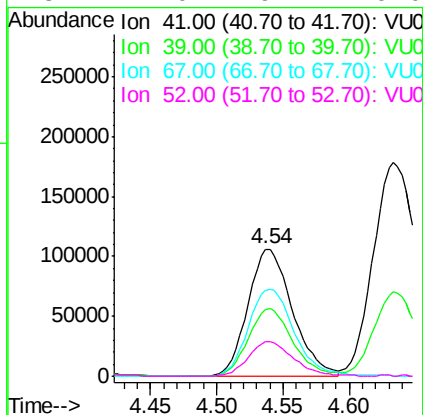
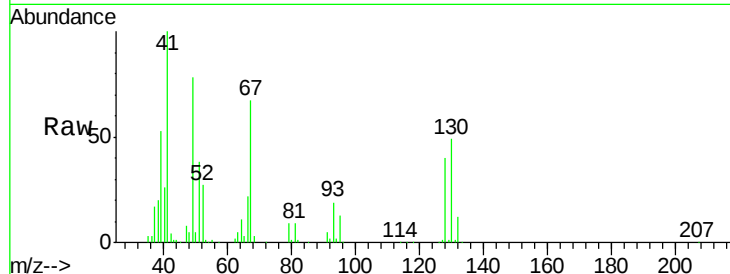
#41
Methacrylonitrile
Concen: 47.866 ug/l
RT: 4.54 min Scan# 1046
Delta R.T. -0.00 min
Lab File: VU028468.D
Acq: 05 Dec 2018 09:55

Instrument :
MSVOA_U
ClientSampleId :
VSTDCCC050

Tgt Ion	Ion	Ratio	Lower	Upper
41	100			
39	53.1	41.3	61.9	
67	71.4	48.6	73.0	
52	27.0	19.4	29.0	

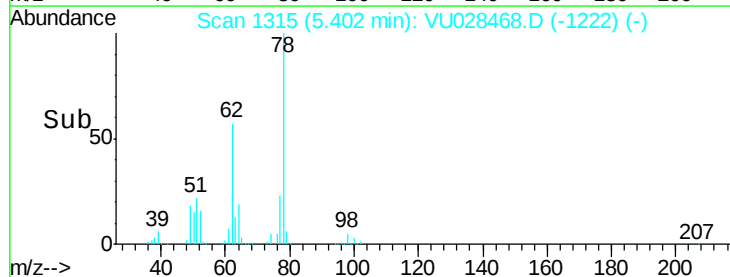
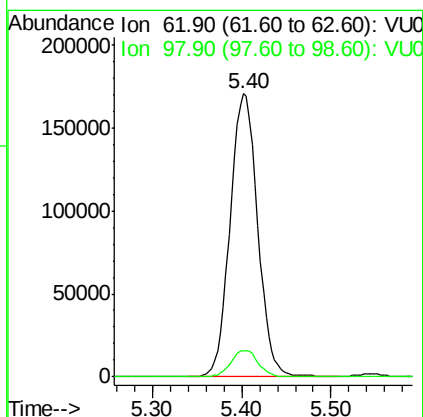
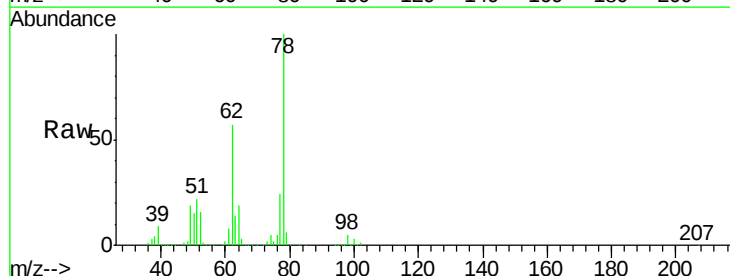
Manual Integrations
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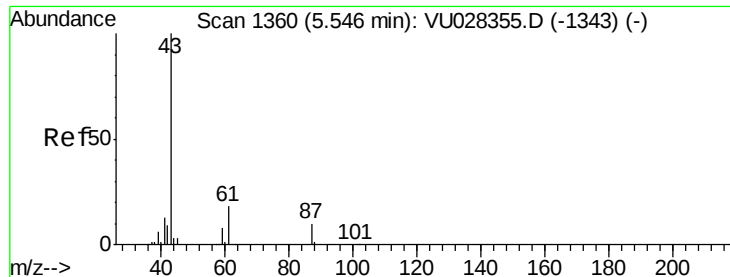
MMDadoda
12/6/2018 4:53:08 PM



#42
1,2-Dichloroethane
Concen: 50.073 ug/l
RT: 5.40 min Scan# 1315
Delta R.T. 0.00 min
Lab File: VU028468.D
Acq: 05 Dec 2018 09:55

Tgt Ion	Ion	Ratio	Lower	Upper
62	100			
98	9.4	0.0	15.4	





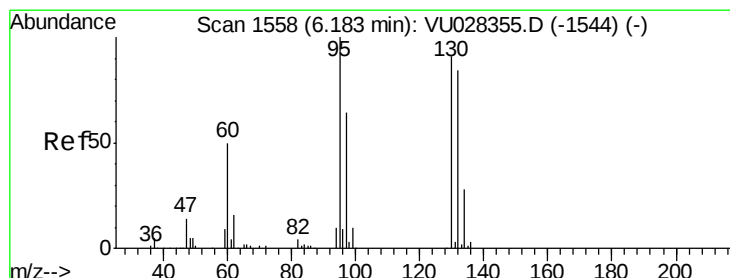
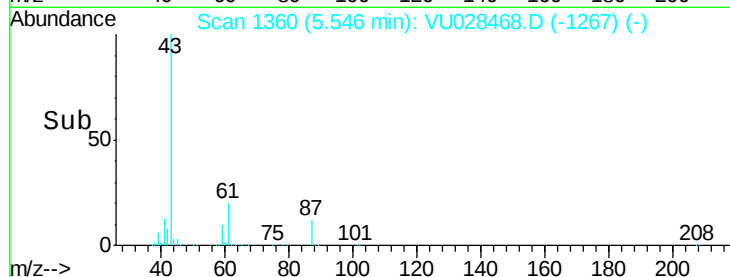
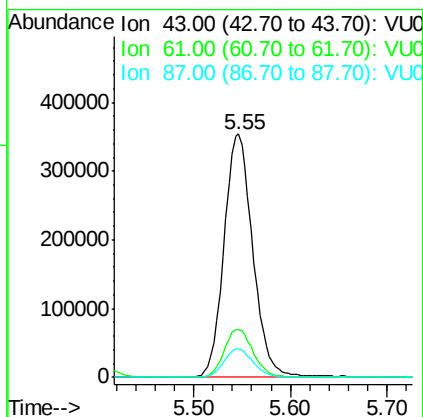
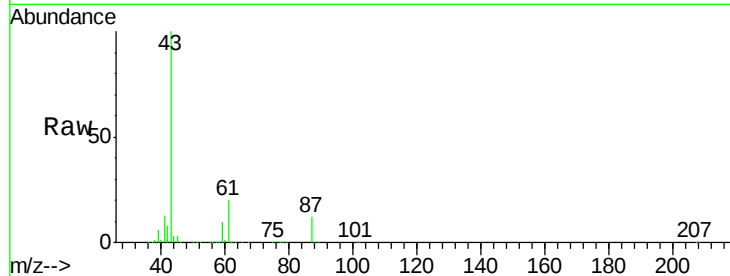
#43
Isopropyl Acetate
Concen: 49.182 ug/l
RT: 5.55 min Scan# 1360
Delta R.T. 0.00 min
Lab File: VU028468.D
Acq: 05 Dec 2018 09:55

Instrument :
MSVOA_U
ClientSampleId :
VSTDCCC050

Tgt Ion	Ratio	Lower	Upper
43	100		
61	20.1	14.5	21.7
87	11.9	8.4	12.6

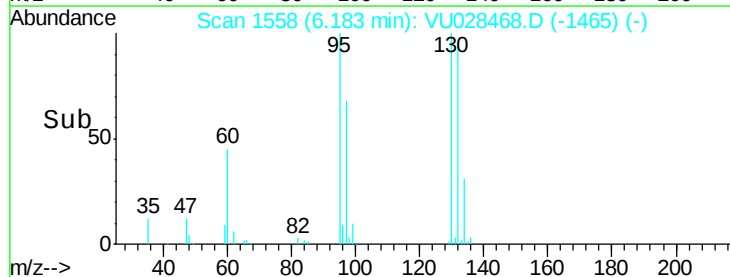
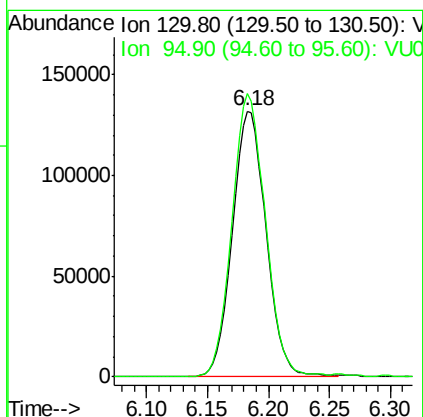
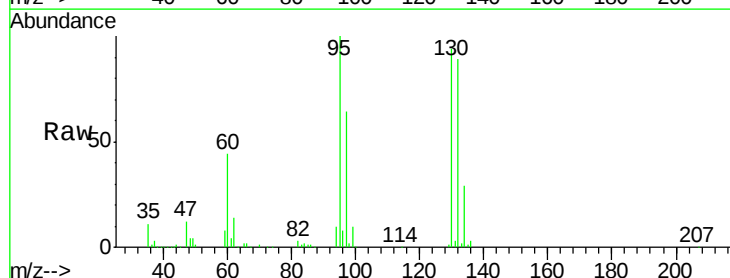
Manual Integrations
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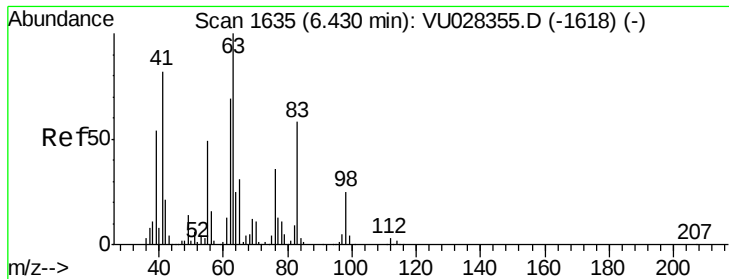
MMDadoda
12/6/2018 4:53:08 PM



#44
Trichloroethene
Concen: 58.138 ug/l
RT: 6.18 min Scan# 1558
Delta R.T. 0.00 min
Lab File: VU028468.D
Acq: 05 Dec 2018 09:55

Tgt Ion	Ratio	Lower	Upper
130	100		
95	106.6	0.0	219.8





#45

1,2-Dichloropropane

Concen: 51.404 ug/l

RT: 6.43 min Scan# 1635

Delta R.T. 0.00 min

Lab File: VU028468.D

Acq: 05 Dec 2018 09:55

Instrument :

MSVOA_U

ClientSampleId :

VSTDCCC050

Tgt Ion: 63 Resp: 305028

Ion Ratio Lower Upper

63 100

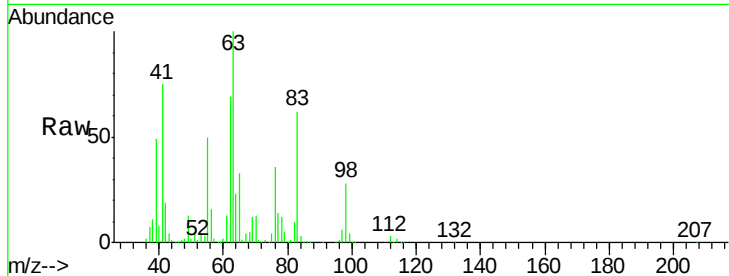
65 32.8 25.1 37.7

Manual Integrations

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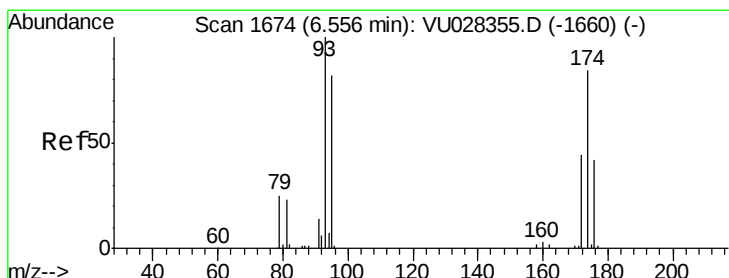
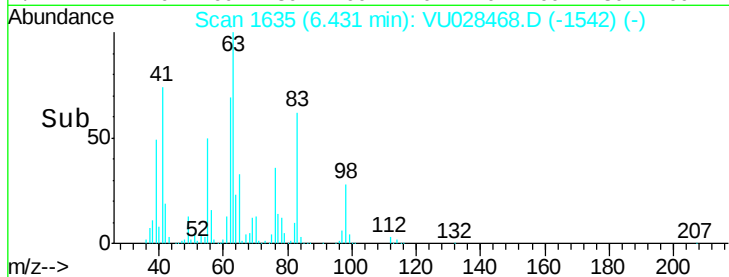
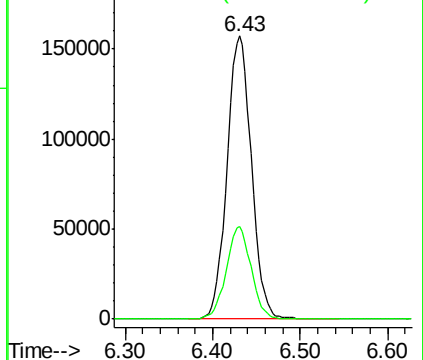
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Abundance Ion 62.90 (62.60 to 63.60): VU0

Ion 64.90 (64.60 to 65.60): VU0



#46

Dibromomethane

Concen: 53.895 ug/l

RT: 6.56 min Scan# 1674

Delta R.T. 0.00 min

Lab File: VU028468.D

Acq: 05 Dec 2018 09:55

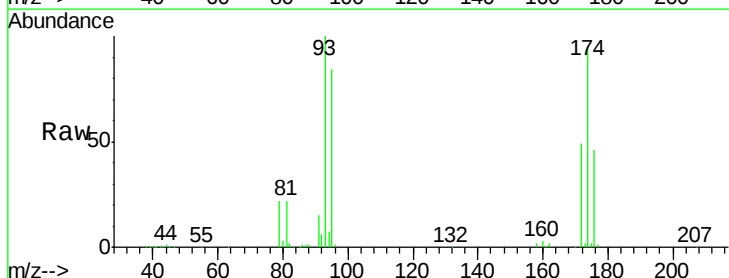
Tgt Ion: 93 Resp: 183700

Ion Ratio Lower Upper

93 100

95 82.4 65.1 97.7

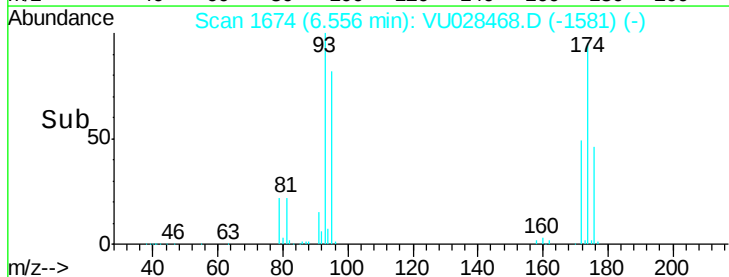
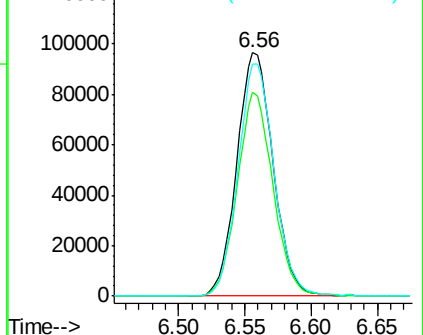
174 95.1 69.9 104.9

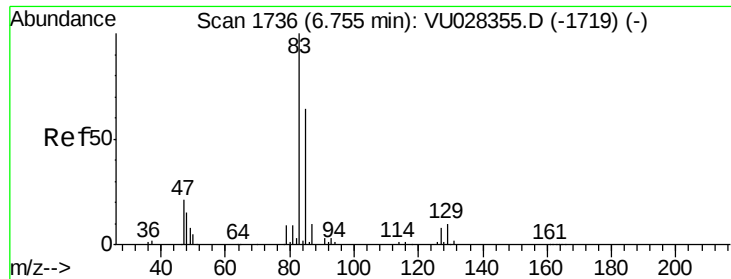


Abundance Ion 92.80 (92.50 to 93.50): VU0

Ion 94.80 (94.50 to 95.50): VU0

Ion 173.70 (173.40 to 174.40): V





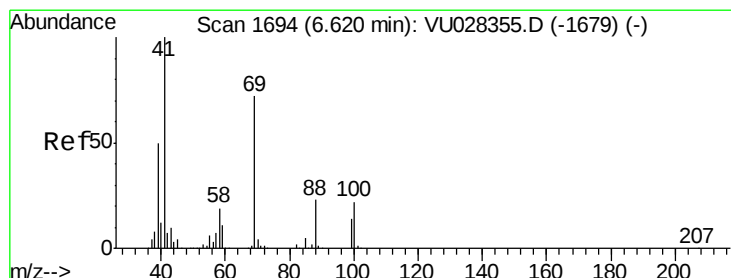
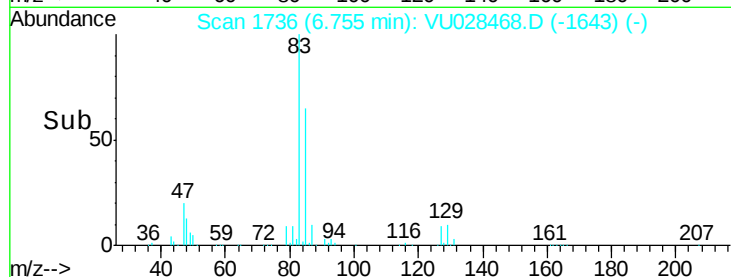
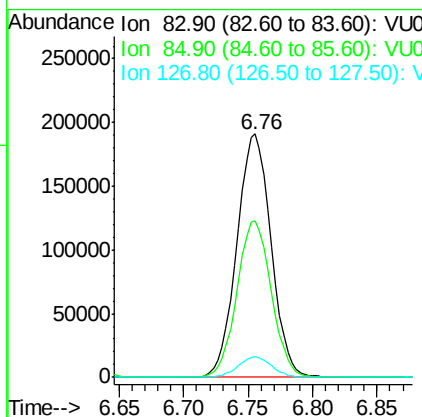
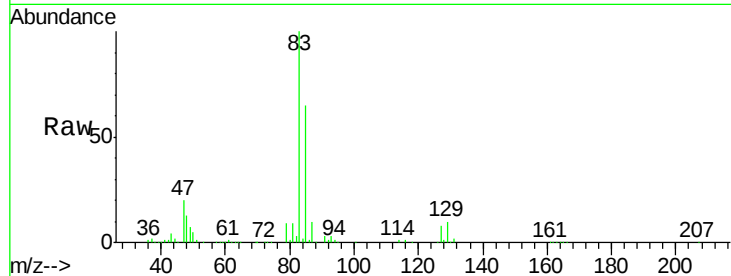
#47
Bromodichloromethane
Concen: 52.012 ug/l
RT: 6.76 min Scan# 1736
Delta R.T. 0.00 min
Lab File: VU028468.D
Acq: 05 Dec 2018 09:55

Instrument :
MSVOA_U
ClientSampleId :
VSTDCCC050

Tgt Ion	Ratio	Lower	Upper
83	100		
85	64.6	50.9	76.3
127	8.5	6.2	9.4

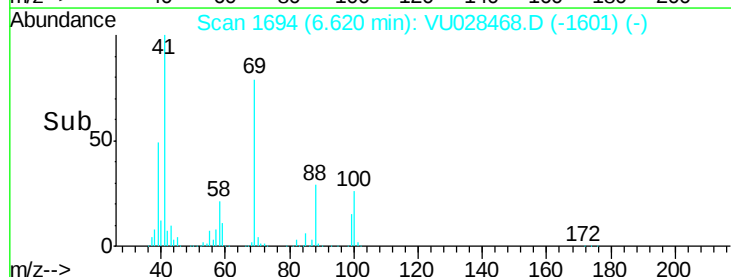
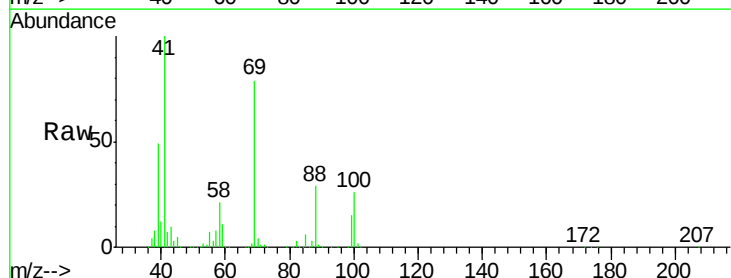
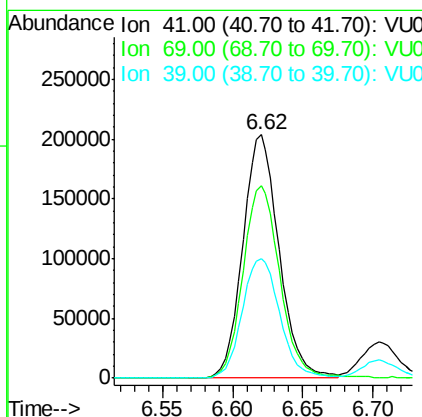
Manual Integrations
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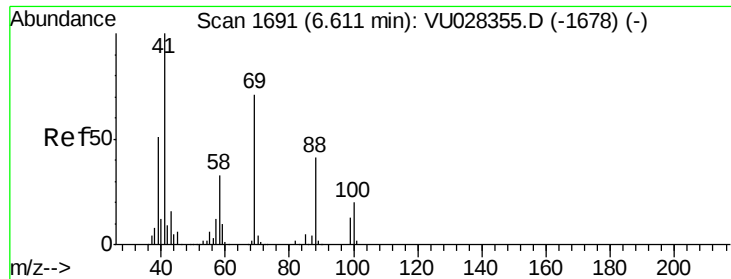
MMDadoda
12/6/2018 4:53:08 PM



#48
Methyl methacrylate
Concen: 47.513 ug/l
RT: 6.62 min Scan# 1694
Delta R.T. 0.00 min
Lab File: VU028468.D
Acq: 05 Dec 2018 09:55

Tgt Ion	Ratio	Lower	Upper
41	100		
69	80.9	59.0	88.4
39	50.8	40.5	60.7





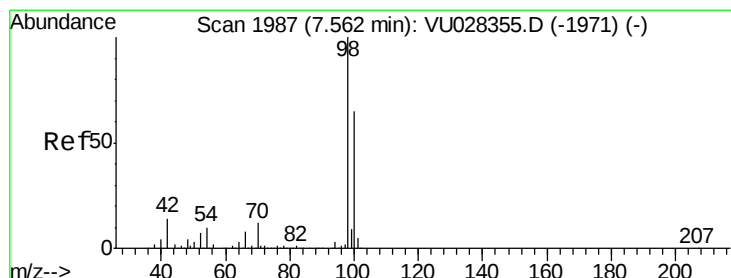
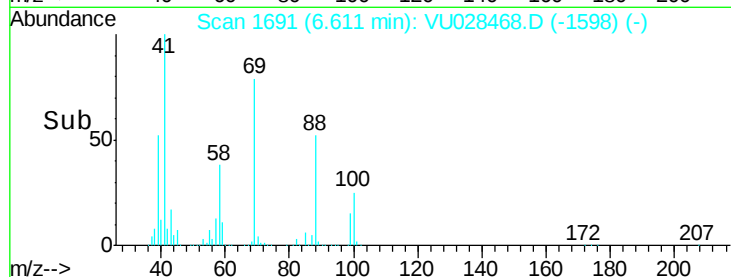
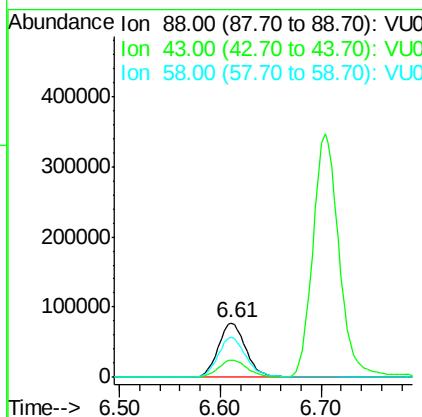
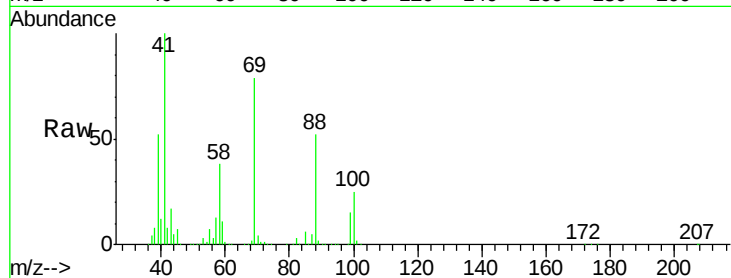
#49
1,4-Dioxane
Concen: 1187.184 ug/l
RT: 6.61 min Scan# 1691
Delta R.T. 0.00 min
Lab File: VU028468.D
Acq: 05 Dec 2018 09:55

Instrument :
MSVOA_U
ClientSampleId :
VSTDCCC050

Tgt Ion	Ratio	Lower	Upper
88	100		
43	33.7	32.6	48.8
58	75.8	68.7	103.1

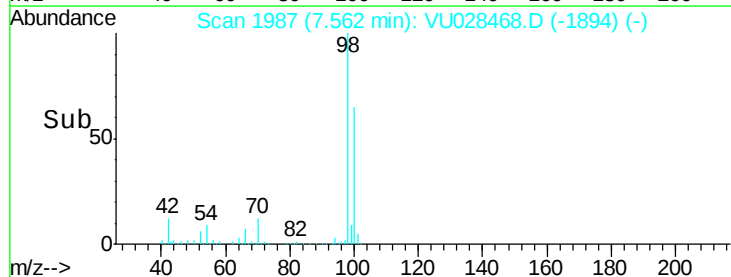
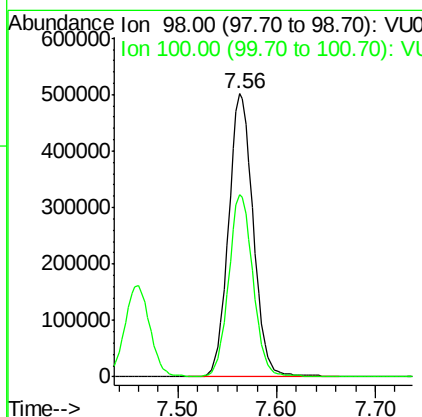
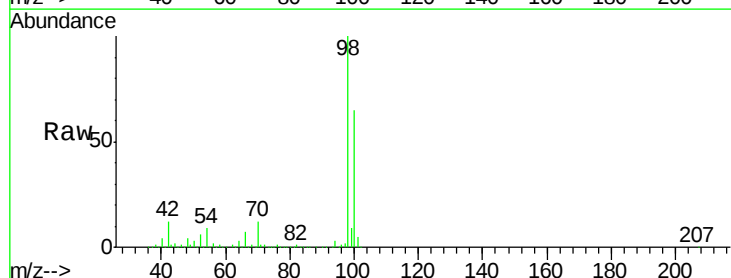
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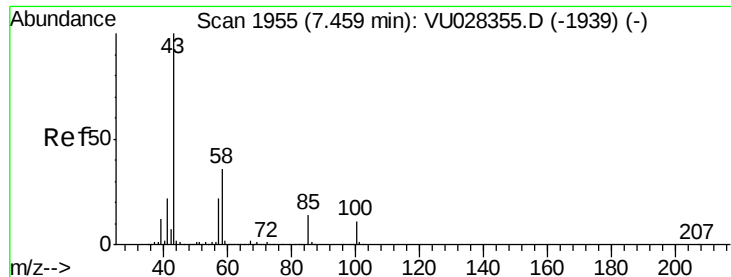
MMDadoda
12/6/2018 4:53:08 PM



#50
Toluene-d8
Concen: 52.893 ug/l
RT: 7.56 min Scan# 1987
Delta R.T. 0.00 min
Lab File: VU028468.D
Acq: 05 Dec 2018 09:55

Tgt Ion	Ratio	Lower	Upper
98	100		
100	62.9	50.8	76.2





#51

4-Methyl-2-Pentanone

Concen: 236.375 ug/l

RT: 7.46 min Scan# 1954

Delta R.T. -0.00 min

Lab File: VU028468.D

Acq: 05 Dec 2018 09:55

Instrument :

MSVOA_U

ClientSampleId :

VSTDCCC050

Tgt Ion: 43 Resp: 2230510

Ion Ratio Lower Upper

43 100

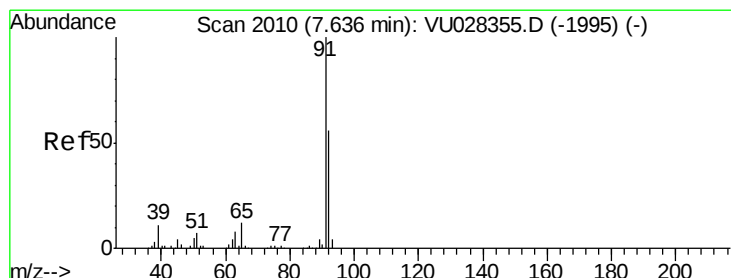
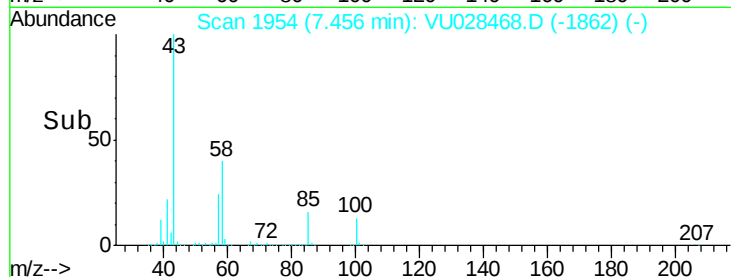
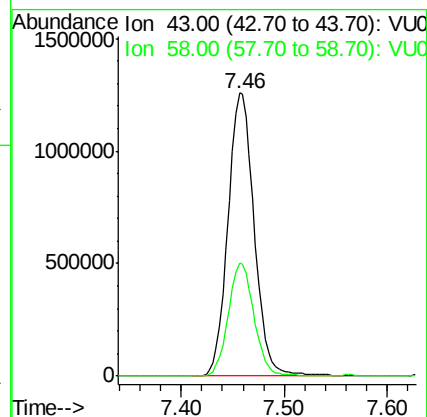
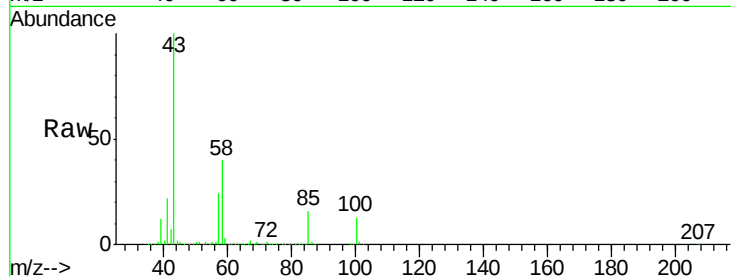
58 39.3 28.8 43.2

Manual Integrations

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#52

Toluene

Concen: 55.984 ug/l

RT: 7.64 min Scan# 2010

Delta R.T. 0.00 min

Lab File: VU028468.D

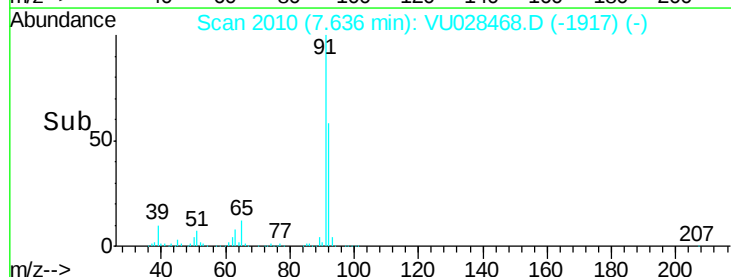
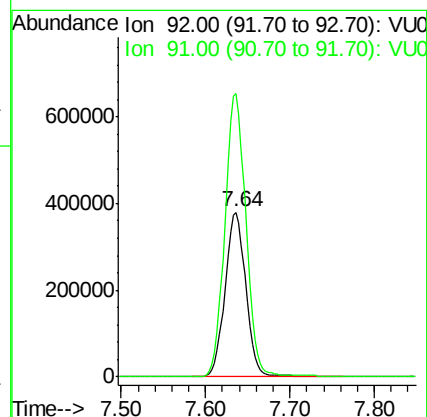
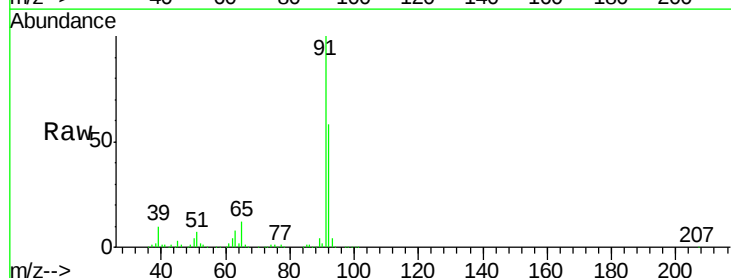
Acq: 05 Dec 2018 09:55

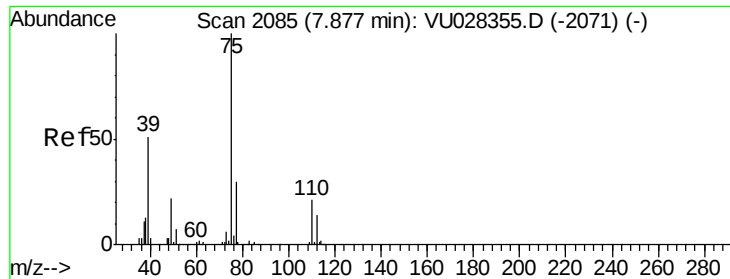
Tgt Ion: 92 Resp: 653249

Ion Ratio Lower Upper

92 100

91 175.0 141.8 212.6





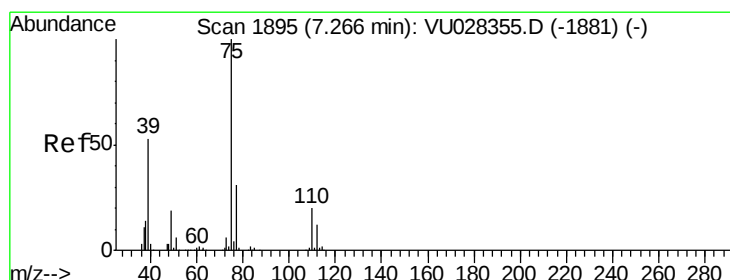
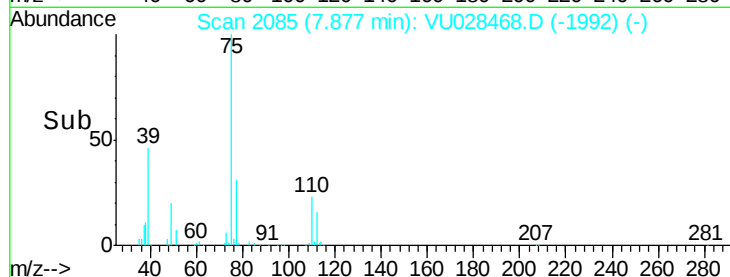
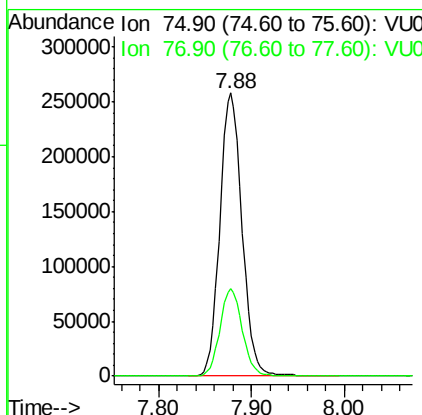
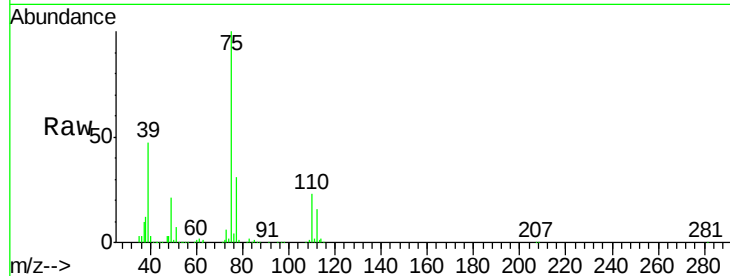
#53
t-1,3-Dichloropropene
Concen: 52.828 ug/l
RT: 7.88 min Scan# 2085
Delta R.T. 0.00 min
Lab File: VU028468.D
Acq: 05 Dec 2018 09:55

Instrument :
MSVOA_U
ClientSampleId :
VSTDCCC050

Tgt Ion: 75 Resp: 428268
Ion Ratio Lower Upper
75 100
77 31.1 24.1 36.1

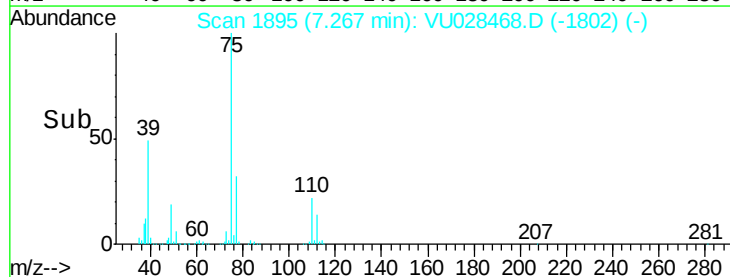
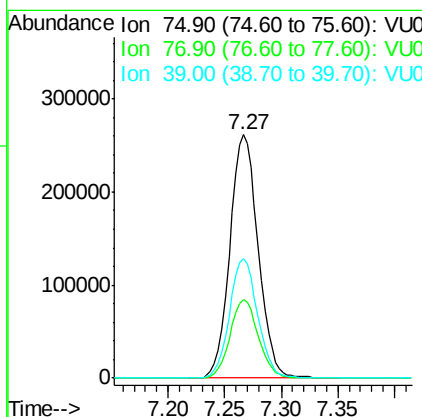
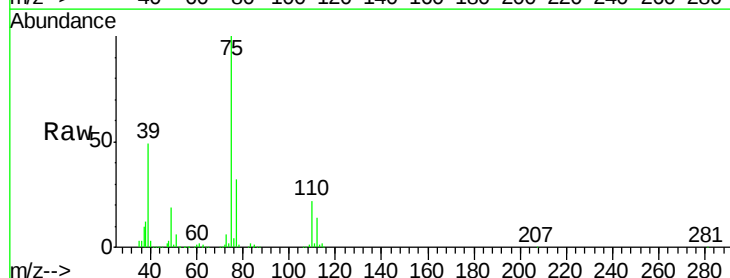
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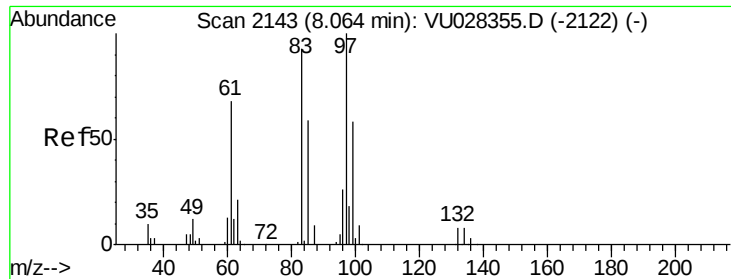
MMDadoda
12/6/2018 4:53:08 PM



#54
cis-1,3-Dichloropropene
Concen: 52.291 ug/l
RT: 7.27 min Scan# 1895
Delta R.T. 0.00 min
Lab File: VU028468.D
Acq: 05 Dec 2018 09:55

Tgt Ion: 75 Resp: 454146
Ion Ratio Lower Upper
75 100
77 32.3 24.9 37.3
39 49.1 42.6 64.0





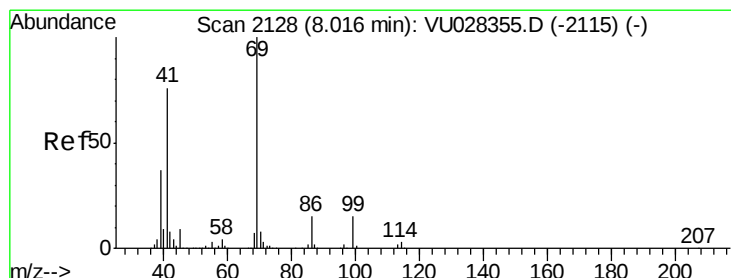
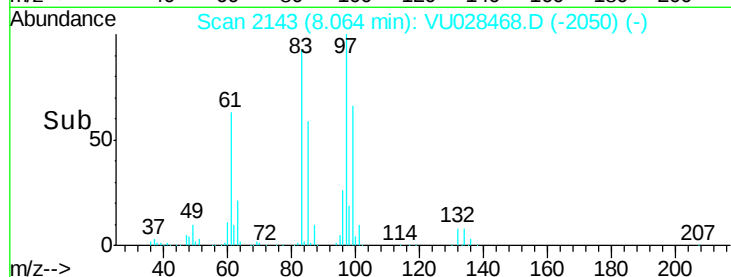
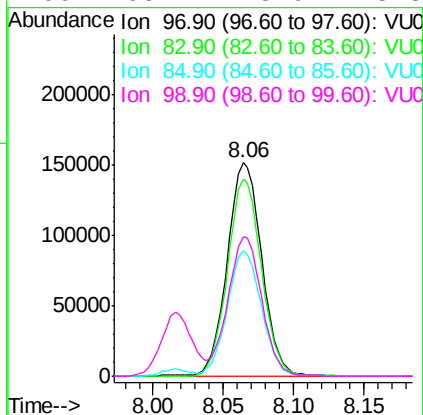
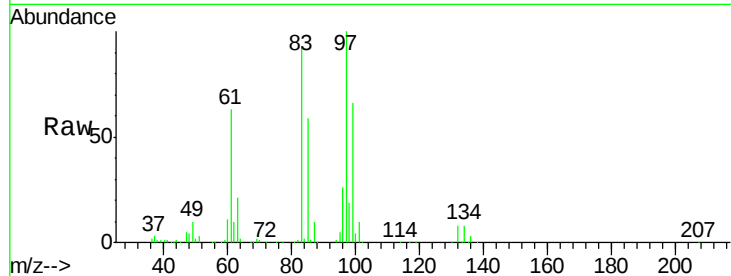
#55
 1,1,2-Trichloroethane
 Concen: 53.186 ug/l
 RT: 8.06 min Scan# 2143
 Delta R.T. 0.00 min
 Lab File: VU028468.D
 Acq: 05 Dec 2018 09:55

Instrument :
 MSVOA_U
 ClientSampleId :
 VSTDCCC050

Tgt Ion	Ratio	Resp	Lower	Upper
97	100	258285		
83	92.6	74.3	111.5	
85	58.7	47.2	70.8	
99	65.4	48.9	73.3	

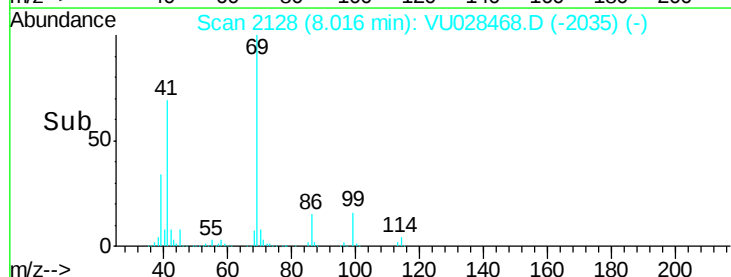
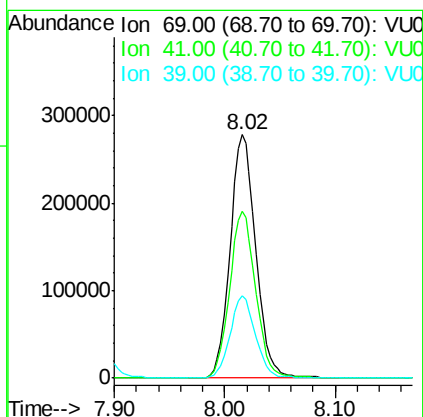
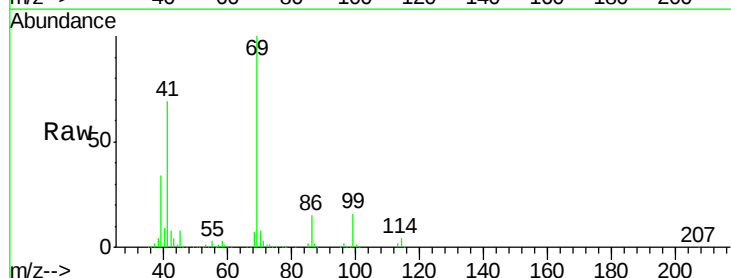
Manual Integrations
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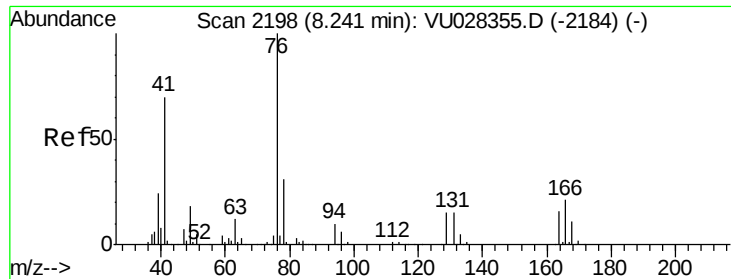
MMDadoda
 12/6/2018 4:53:08 PM



#56
 Ethyl methacrylate
 Concen: 54.225 ug/l
 RT: 8.02 min Scan# 2128
 Delta R.T. 0.00 min
 Lab File: VU028468.D
 Acq: 05 Dec 2018 09:55

Tgt Ion	Ratio	Resp	Lower	Upper
69	100	447984		
41	69.3	60.0	90.0	
39	33.2	29.0	43.6	





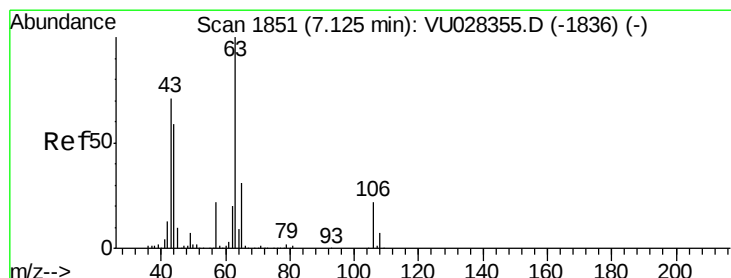
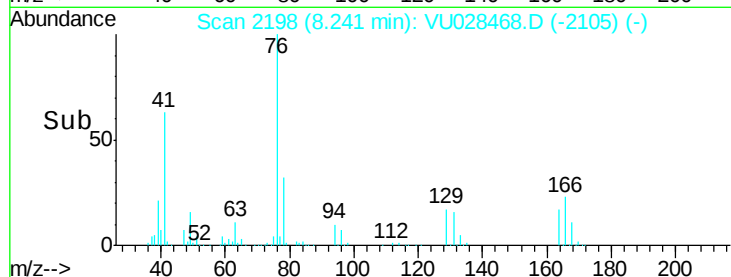
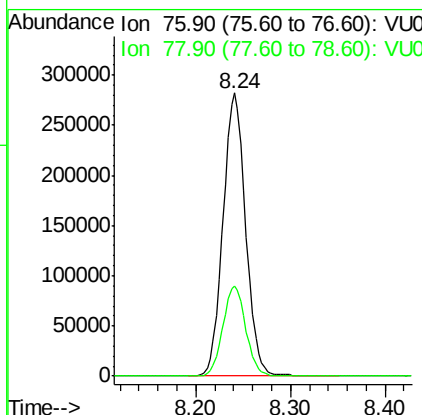
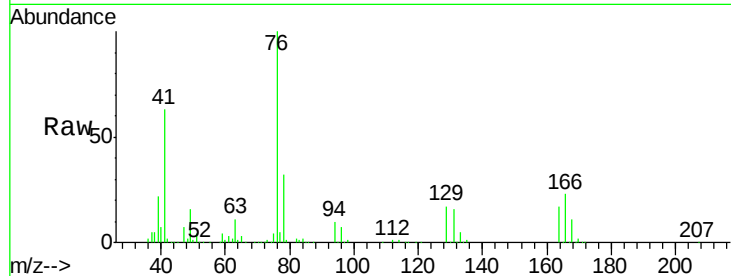
#57
 1,3-Dichloropropane
 Concen: 52.586 ug/l
 RT: 8.24 min Scan# 2198
 Delta R.T. 0.00 min
 Lab File: VU028468.D
 Acq: 05 Dec 2018 09:55

Instrument :
 MSVOA_U
 ClientSampleId :
 VSTDCCC050

Tgt Ion: 76 Resp: 468316
 Ion Ratio Lower Upper
 76 100
 78 32.2 25.4 38.0

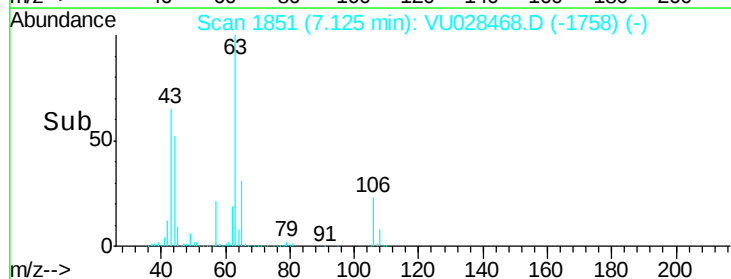
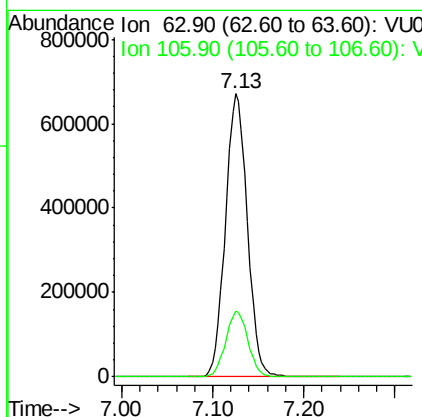
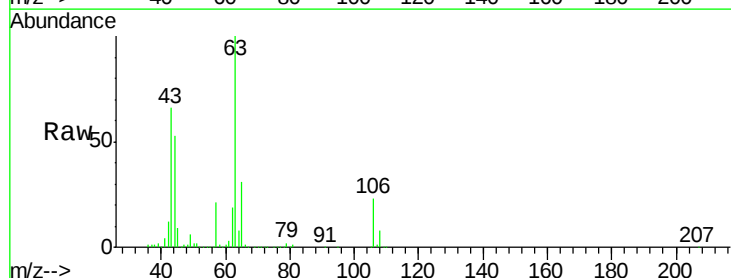
Manual Integrations
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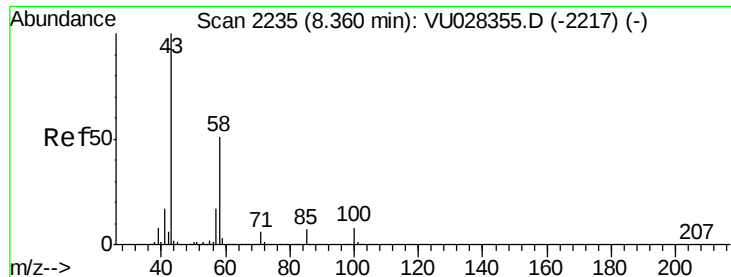
MMDadoda
 12/6/2018 4:53:08 PM



#58
 2-Chloroethyl Vinyl ether
 Concen: 253.295 ug/l
 RT: 7.13 min Scan# 1851
 Delta R.T. 0.00 min
 Lab File: VU028468.D
 Acq: 05 Dec 2018 09:55

Tgt Ion: 63 Resp: 1123502
 Ion Ratio Lower Upper
 63 100
 106 23.5 17.3 25.9





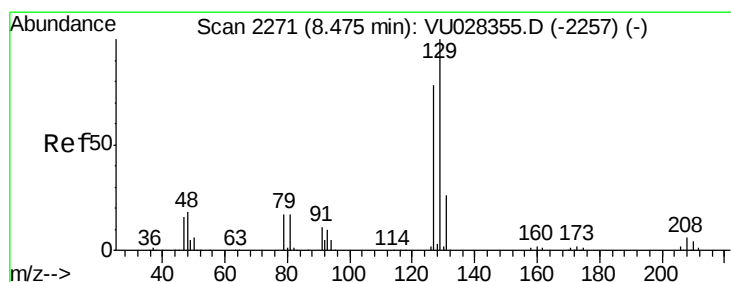
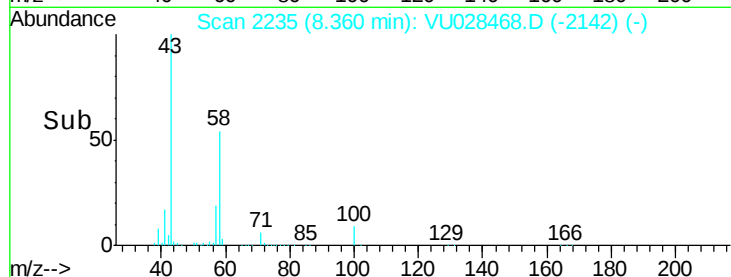
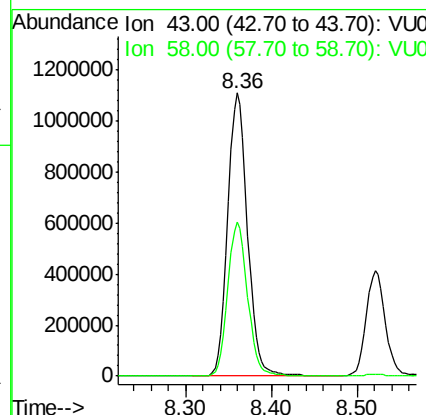
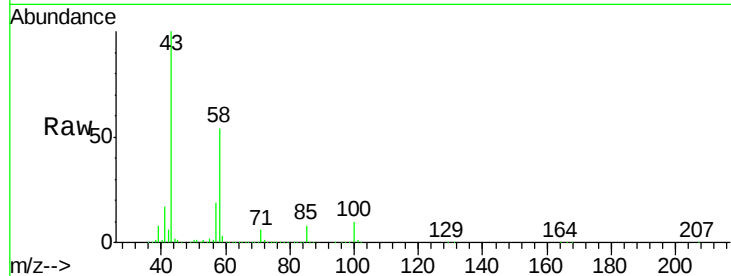
#59
2-Hexanone
Concen: 244.070 ug/l
RT: 8.36 min Scan# 2235
Delta R.T. 0.00 min
Lab File: VU028468.D
Acq: 05 Dec 2018 09:55

Instrument :
MSVOA_U
ClientSampleId :
VSTDCCC050

Tgt Ion: 43 Resp: 1784002
Ion Ratio Lower Upper
43 100
58 54.5 25.5 76.5

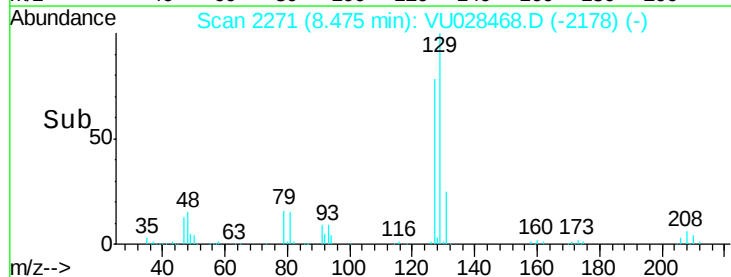
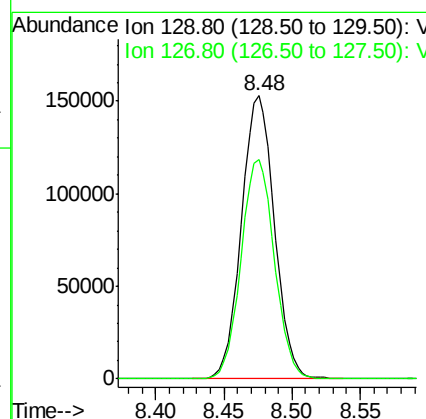
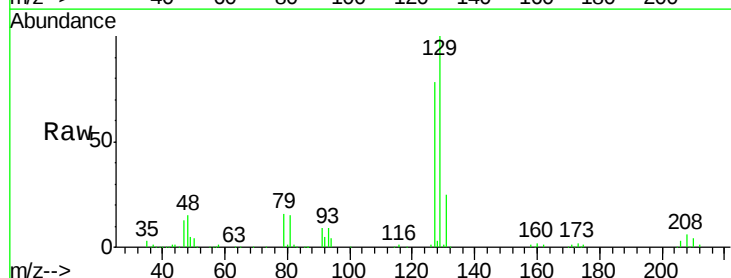
Manual Integrations
APPROVED

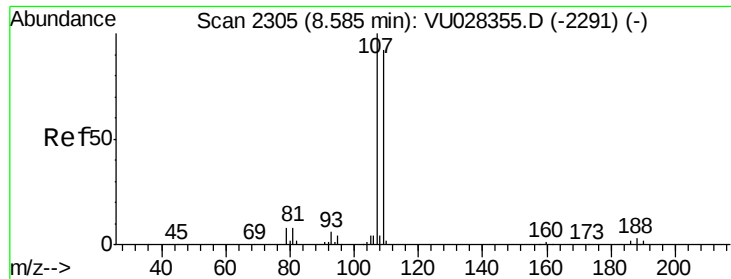
MMDadoda
12/6/2018 4:53:08 PM



#60
Dibromochloromethane
Concen: 55.695 ug/l
RT: 8.48 min Scan# 2271
Delta R.T. 0.00 min
Lab File: VU028468.D
Acq: 05 Dec 2018 09:55

Tgt Ion: 129 Resp: 257235
Ion Ratio Lower Upper
129 100
127 78.3 38.9 116.7





#61

1,2-Dibromoethane

Concen: 55.984 ug/l

RT: 8.58 min Scan# 2305

Delta R.T. 0.00 min

Lab File: VU028468.D

Acq: 05 Dec 2018 09:55

Instrument :

MSVOA_U

ClientSampleId :

VSTDCCC050

Tgt Ion: 107 Resp: 278451

Ion Ratio Lower Upper

107 100

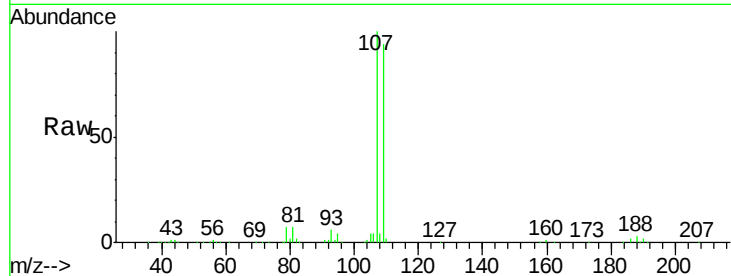
109 93.5 73.2 109.8

Manual Integrations

APPROVED

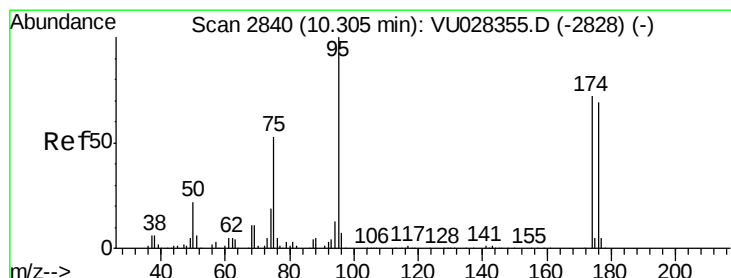
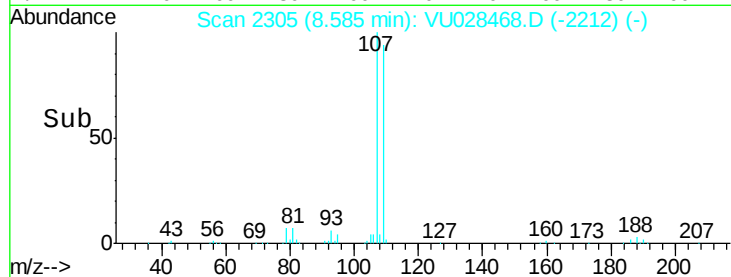
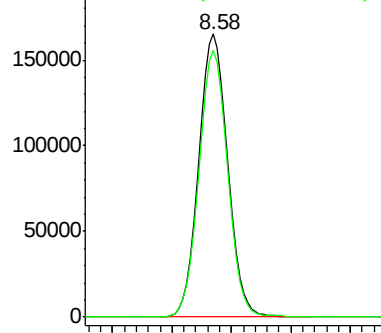
MMDadoda

12/6/2018 4:53:08 PM



Abundance Ion 106.90 (106.60 to 107.60): V

Ion 108.80 (108.50 to 109.50): V



#62

4-Bromofluorobenzene

Concen: 54.511 ug/l

RT: 10.30 min Scan# 2840

Delta R.T. 0.00 min

Lab File: VU028468.D

Acq: 05 Dec 2018 09:55

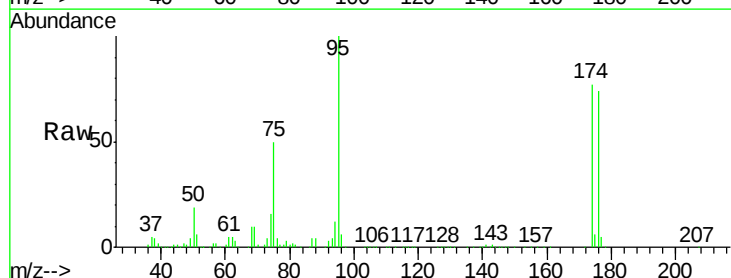
Tgt Ion: 95 Resp: 326671

Ion Ratio Lower Upper

95 100

174 77.5 0.0 145.4

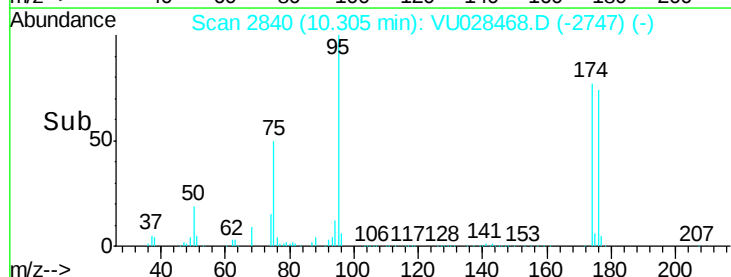
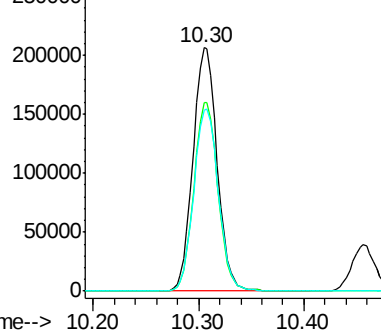
176 76.3 0.0 140.8

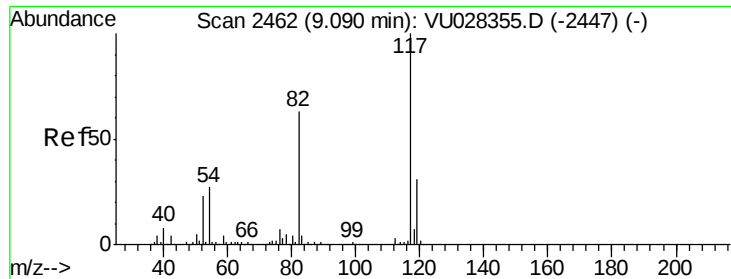


Abundance Ion 94.90 (94.60 to 95.60): VU0

Ion 173.80 (173.50 to 174.50): V

Ion 175.80 (175.50 to 176.50): V





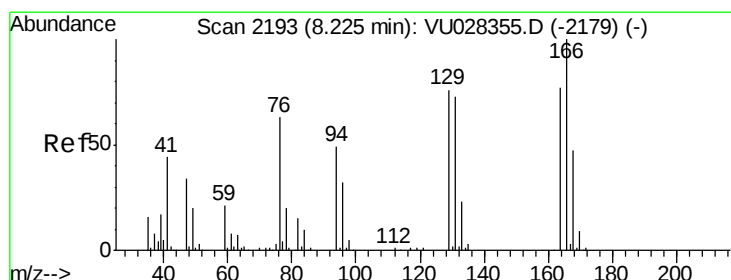
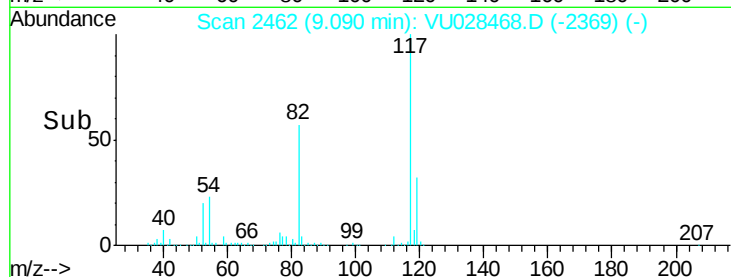
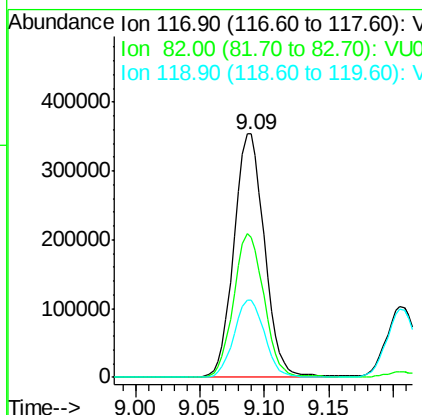
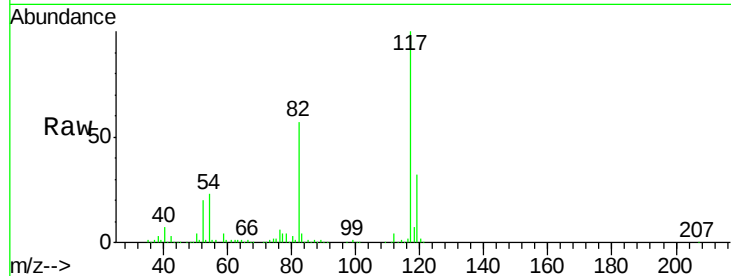
#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 9.09 min Scan# 2462
Delta R.T. 0.00 min
Lab File: VU028468.D
Acq: 05 Dec 2018 09:55

Instrument :
MSVOA_U
ClientSampleId :
VSTDCCC050

Tgt Ion	Ratio	Resp	Lower	Upper
117	100	585580		
82	57.5	50.3	75.5	
119	31.6	24.8	37.2	

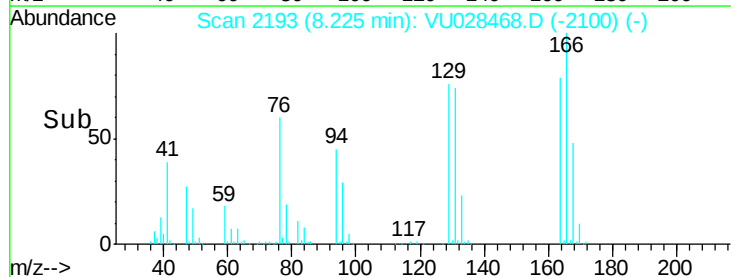
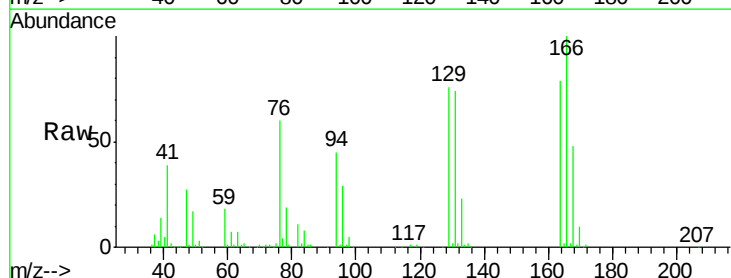
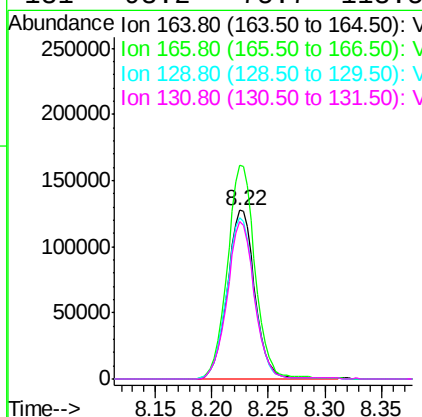
Manual Integrations
APPROVED

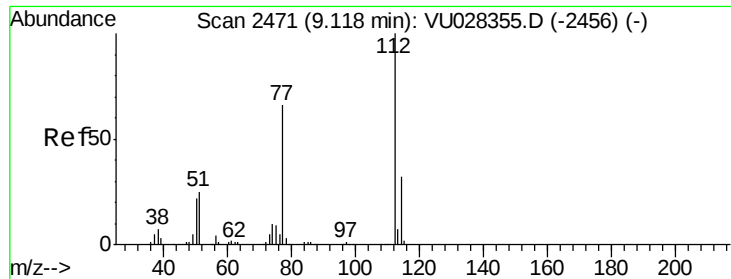
MMDadoda
12/6/2018 4:53:08 PM



#64
Tetrachloroethene
Concen: 56.015 ug/l
RT: 8.22 min Scan# 2193
Delta R.T. 0.00 min
Lab File: VU028468.D
Acq: 05 Dec 2018 09:55

Tgt Ion	Ratio	Resp	Lower	Upper
164	100	215764		
166	126.8	104.0	156.0	
129	96.0	79.2	118.8	
131	93.2	75.7	113.5	





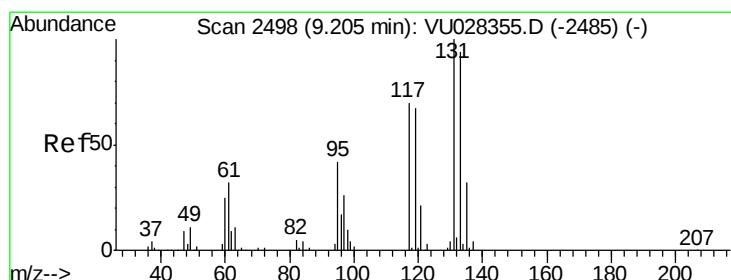
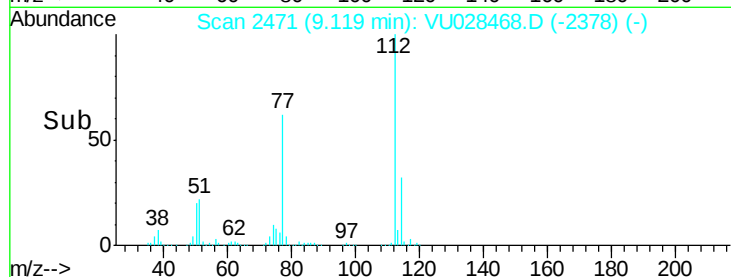
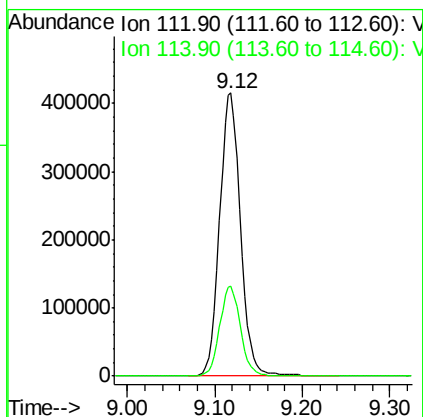
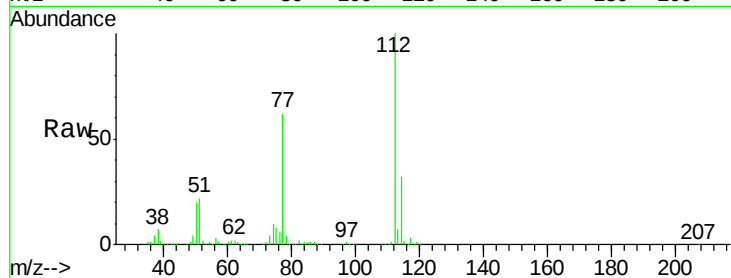
#65
Chlorobenzene
Concen: 56.585 ug/l
RT: 9.12 min Scan# 2471
Delta R.T. 0.00 min
Lab File: VU028468.D
Acq: 05 Dec 2018 09:55

Instrument :
MSVOA_U
ClientSampleId :
VSTDCCC050

Tgt Ion:112 Resp: 688023
Ion Ratio Lower Upper
112 100
114 31.6 25.7 38.5

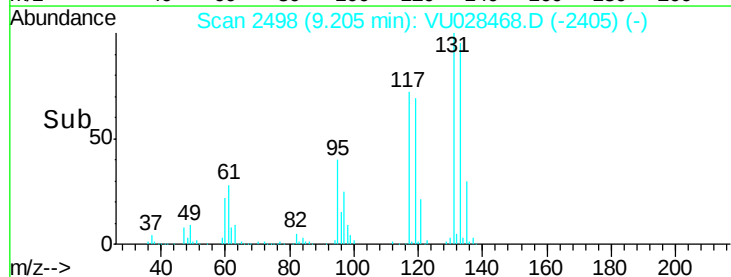
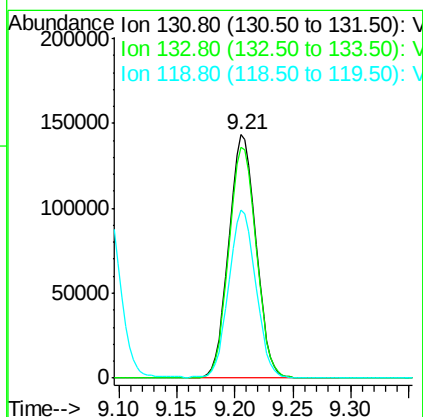
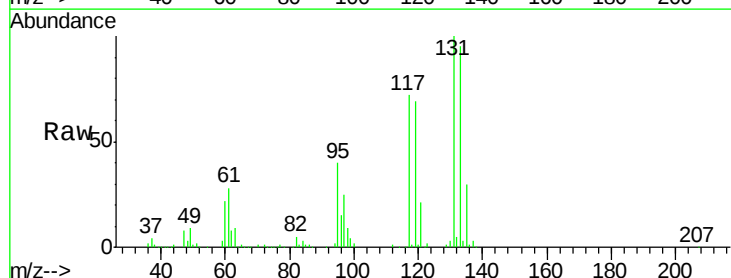
Manual Integrations
APPROVED

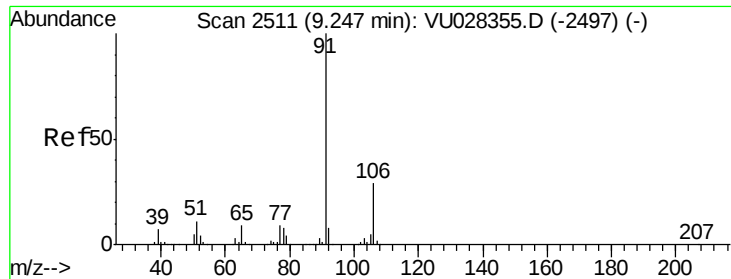
MMDadoda
12/6/2018 4:53:08 PM



#66
1,1,1,2-Tetrachloroethane
Concen: 55.693 ug/l
RT: 9.21 min Scan# 2498
Delta R.T. 0.00 min
Lab File: VU028468.D
Acq: 05 Dec 2018 09:55

Tgt Ion:131 Resp: 232119
Ion Ratio Lower Upper
131 100
133 95.8 47.3 141.8
119 68.5 34.1 102.2





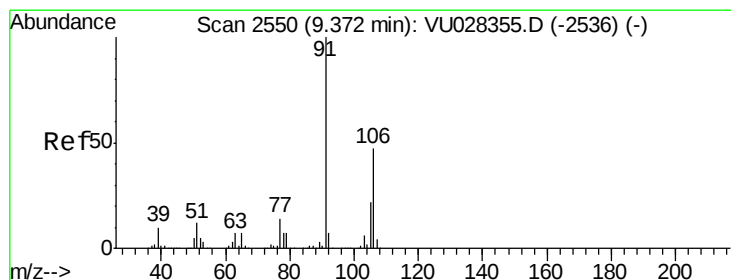
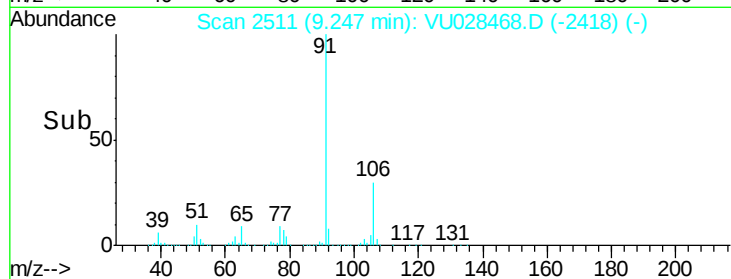
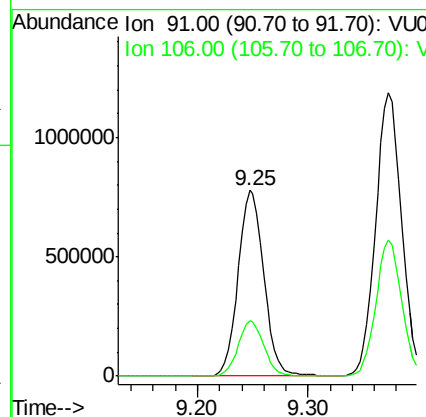
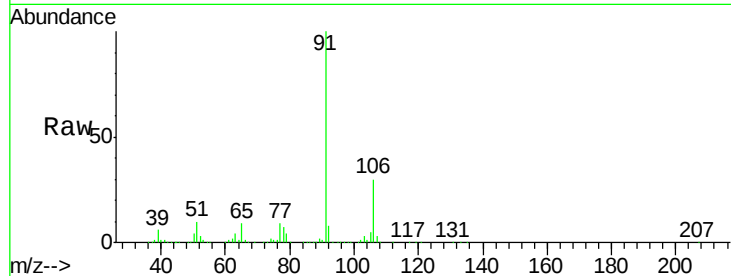
#67
Ethyl Benzene
Concen: 55.093 ug/l
RT: 9.25 min Scan# 2511
Delta R.T. 0.00 min
Lab File: VU028468.D
Acq: 05 Dec 2018 09:55

Instrument :
MSVOA_U
ClientSampleId :
VSTDCCC050

Tgt Ion: 91 Resp: 1261681
Ion Ratio Lower Upper
91 100
106 29.6 23.3 34.9

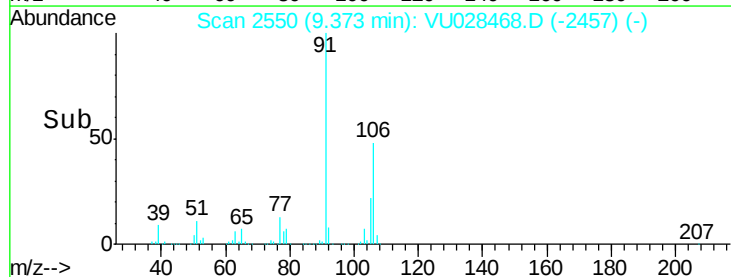
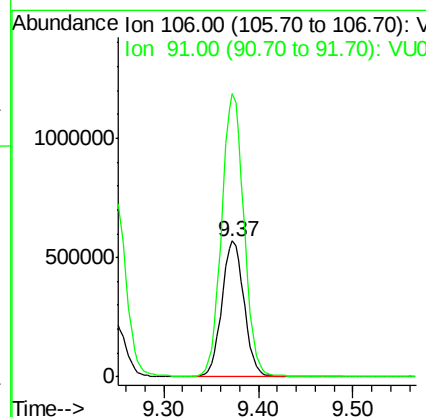
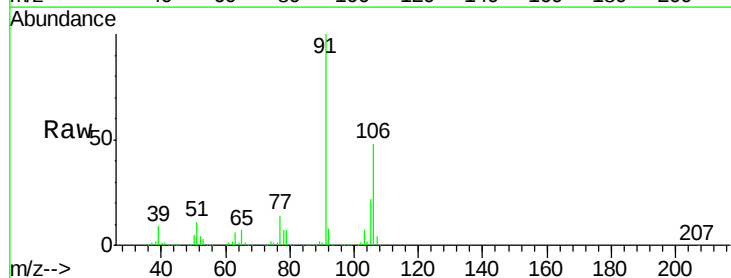
Manual Integrations
APPROVED

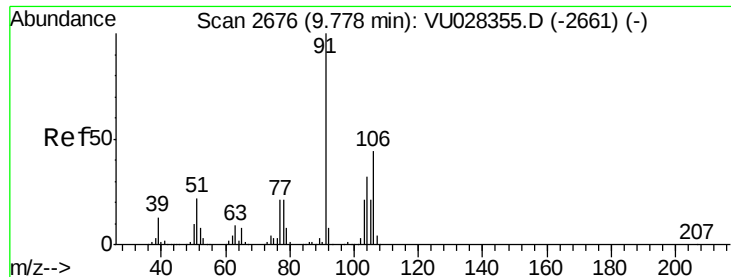
MMDadoda
12/6/2018 4:53:08 PM



#68
m/p-Xylenes
Concen: 112.913 ug/l
RT: 9.37 min Scan# 2550
Delta R.T. 0.00 min
Lab File: VU028468.D
Acq: 05 Dec 2018 09:55

Tgt Ion: 106 Resp: 930717
Ion Ratio Lower Upper
106 100
91 209.3 171.0 256.6





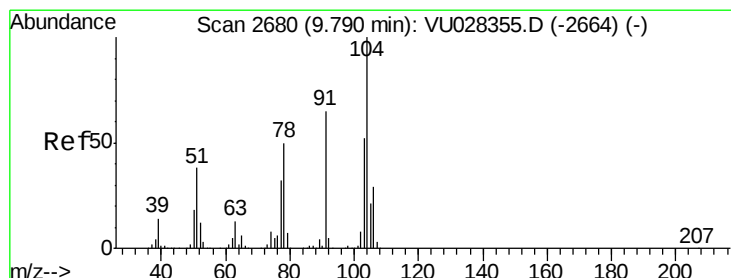
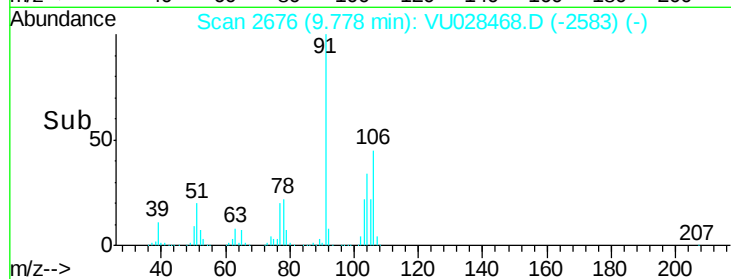
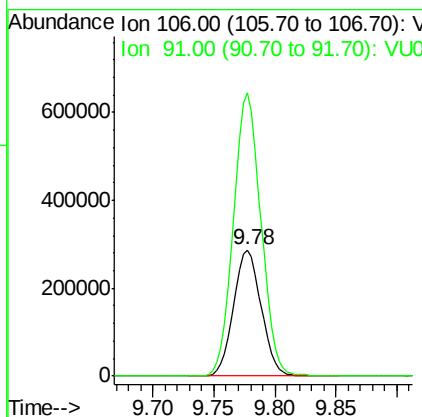
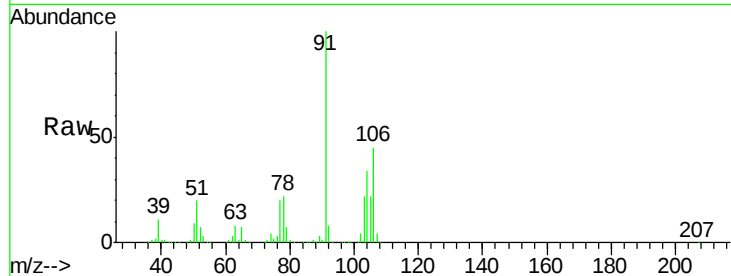
#69
o-Xylene
Concen: 55.400 ug/l
RT: 9.78 min Scan# 2676
Delta R.T. 0.00 min
Lab File: VU028468.D
Acq: 05 Dec 2018 09:55

Instrument :
MSVOA_U
ClientSampleId :
VSTDCCC050

Tgt Ion:106 Resp: 453956
Ion Ratio Lower Upper
106 100
91 223.0 112.7 338.0

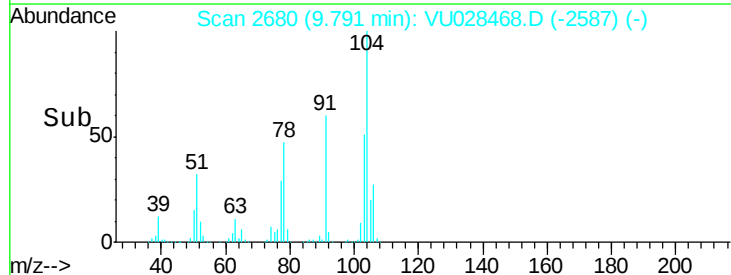
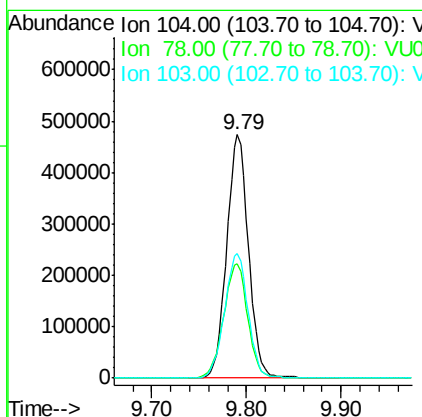
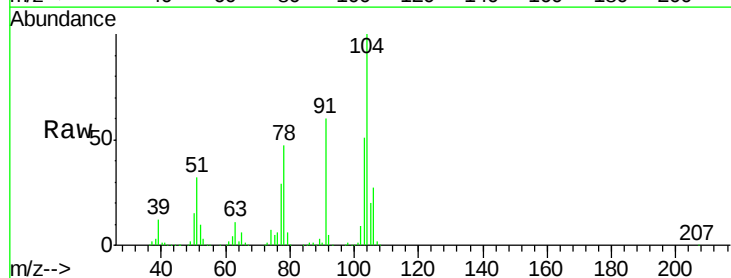
Manual Integrations
APPROVED

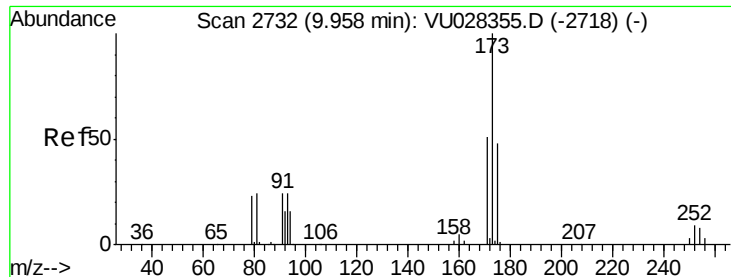
MMDadoda
12/6/2018 4:53:08 PM



#70
Styrene
Concen: 57.309 ug/l
RT: 9.79 min Scan# 2680
Delta R.T. 0.00 min
Lab File: VU028468.D
Acq: 05 Dec 2018 09:55

Tgt Ion:104 Resp: 757353
Ion Ratio Lower Upper
104 100
78 52.1 43.3 64.9
103 55.3 44.8 67.2





#71

Bromoform

Concen: 57.108 ug/l

RT: 9.96 min Scan# 2732

Delta R.T. 0.00 min

Lab File: VU028468.D

Acq: 05 Dec 2018 09:55

Instrument :

MSVOA_U

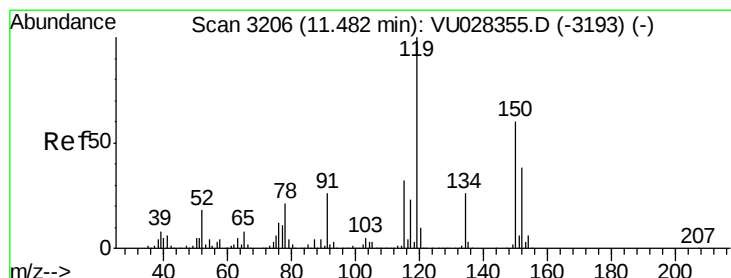
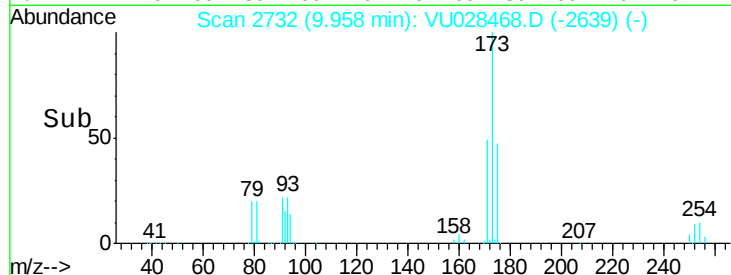
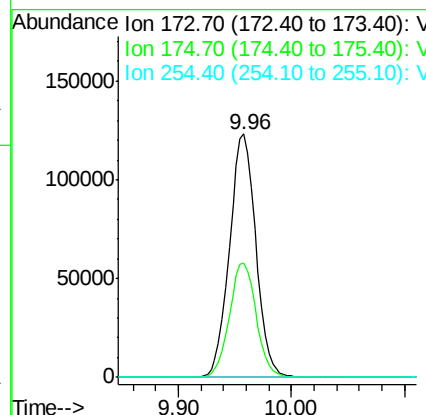
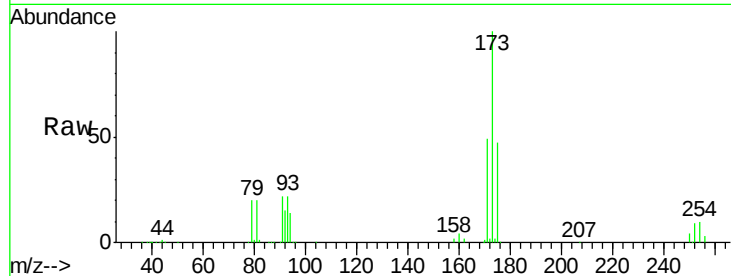
ClientSampleId :

VSTDCCC050

Tgt Ion	Ratio	Resp	Lower	Upper
173	100	200059		
175	47.7	24.1	72.4	
254	0.0	0.0	0.0#	

Manual Integrations
APPROVED

MMDadoda
12/6/2018 4:53:08 PM



#72

1,4-Dichlorobenzene-d4

Concen: 50.000 ug/l

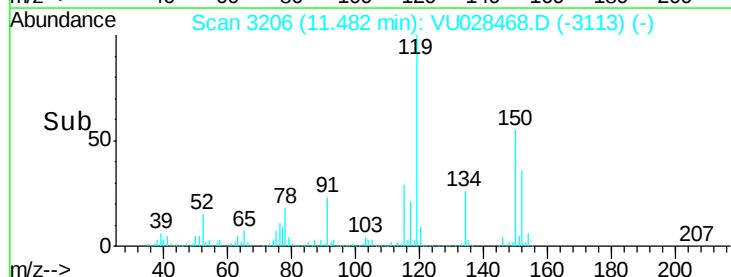
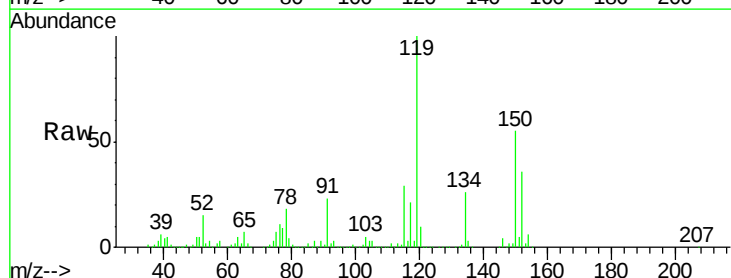
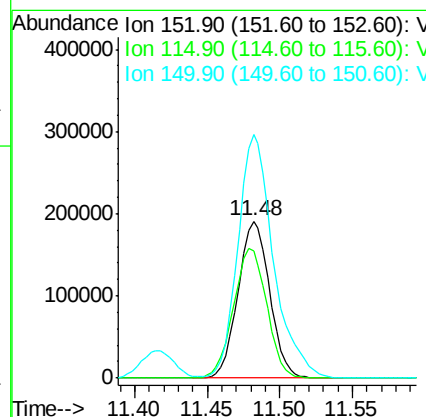
RT: 11.48 min Scan# 3206

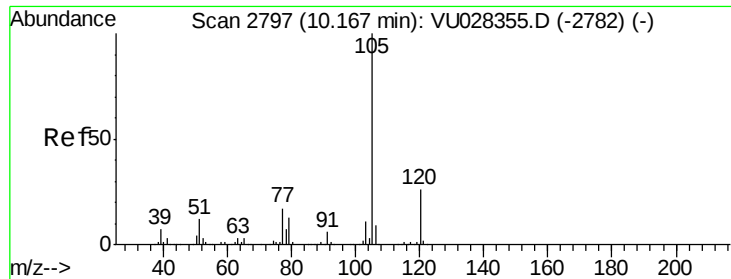
Delta R.T. 0.00 min

Lab File: VU028468.D

Acq: 05 Dec 2018 09:55

Tgt Ion	Ratio	Resp	Lower	Upper
152	100	288856		
115	87.0	45.0	134.8	
150	174.2	0.0	349.2	





#73

Isopropylbenzene

Concen: 53.858 ug/l

RT: 10.16 min Scan# 2796

Delta R.T. -0.00 min

Lab File: VU028468.D

Acq: 05 Dec 2018 09:55

Instrument :

MSVOA_U

ClientSampleId :

VSTDCCC050

Tgt Ion: 105 Resp: 1209965

Ion Ratio Lower Upper

105 100

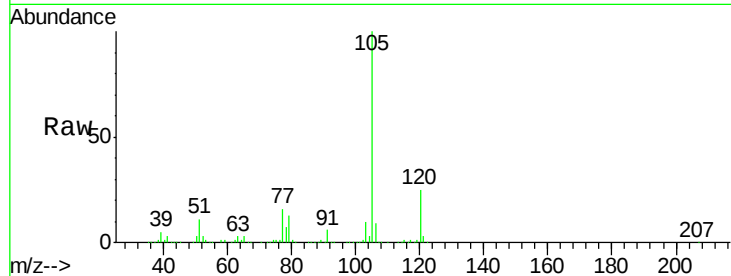
120 25.6 12.8 38.3

Manual Integrations

APPROVED

MMDadoda

12/6/2018 4:53:08 PM



Abundance Ion 105.00 (104.70 to 105.70): V

Ion 120.00 (119.70 to 120.70): V

800000

600000

400000

200000

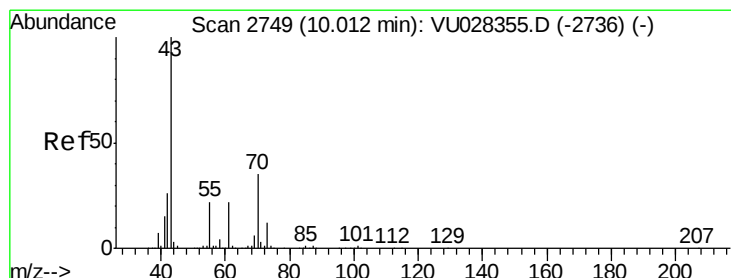
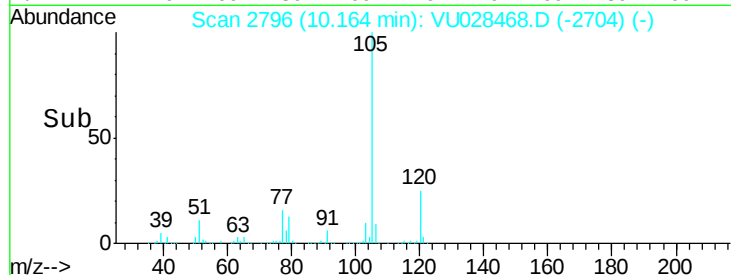
0

10.10

10.16

10.20

Time-->



#74

N-ethyl acetate

Concen: 45.589 ug/l

RT: 10.01 min Scan# 2749

Delta R.T. 0.00 min

Lab File: VU028468.D

Acq: 05 Dec 2018 09:55

Tgt Ion: 43 Resp: 641692

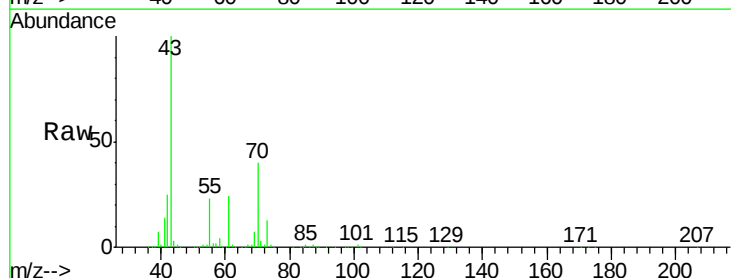
Ion Ratio Lower Upper

43 100

70 39.4 28.4 42.6

55 23.0 18.0 27.0

61 24.1 17.6 26.4



Abundance Ion 43.00 (42.70 to 43.70): VU0

Ion 70.00 (69.70 to 70.70): VU0

Ion 55.00 (54.70 to 55.70): VU0

Ion 61.00 (60.70 to 61.70): VU0

600000

400000

200000

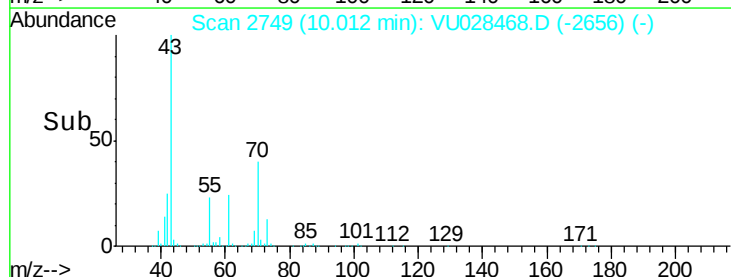
0

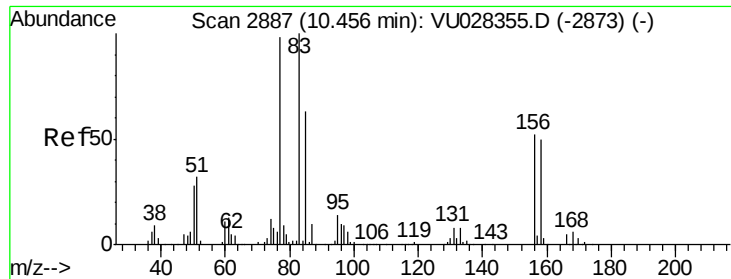
9.90

10.01

10.10

Time-->





#75

1,1,2,2-Tetrachloroethane

Concen: 49.687 ug/l

RT: 10.46 min Scan# 2887

Delta R.T. 0.00 min

Lab File: VU028468.D

Acq: 05 Dec 2018 09:55

Instrument :

MSVOA_U

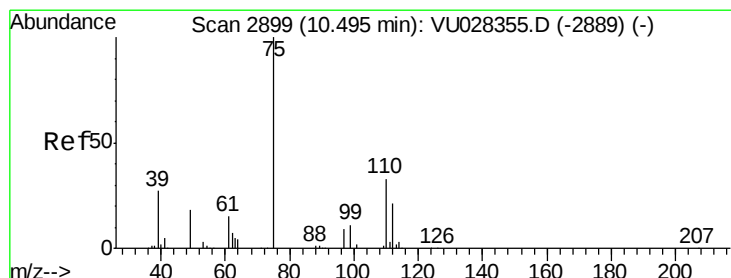
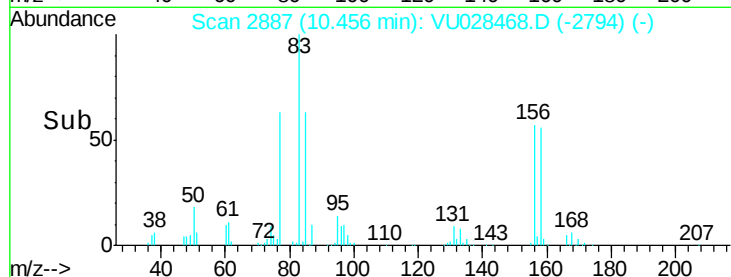
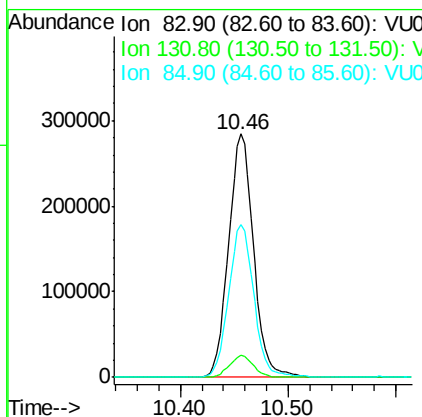
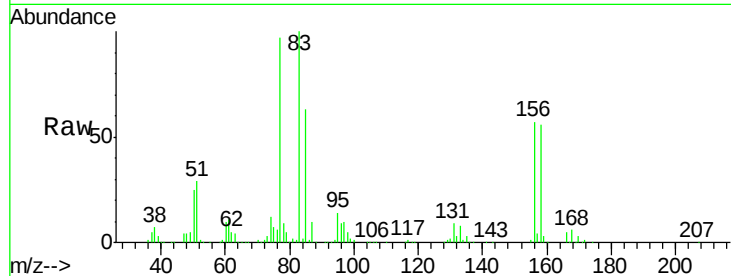
ClientSampleId :

VSTDCCC050

Tgt Ion:	83	Resp:	459031
Ion Ratio	Lower	Upper	
83	100		
131	8.5	4.0	12.2
85	63.7	31.8	95.4

Manual Integrations
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#76

1,2,3-Trichloropropane

Concen: 49.770 ug/l m

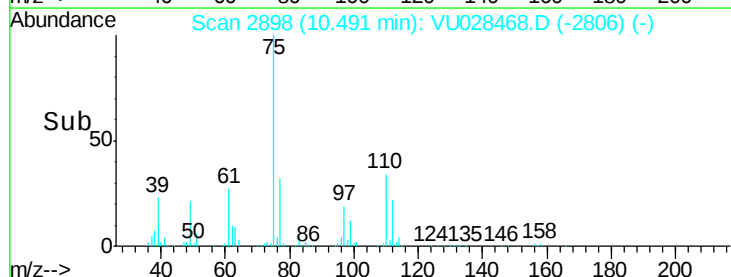
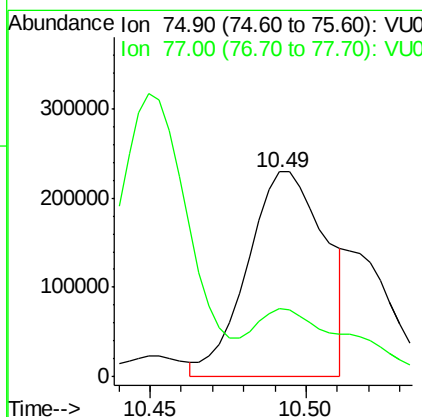
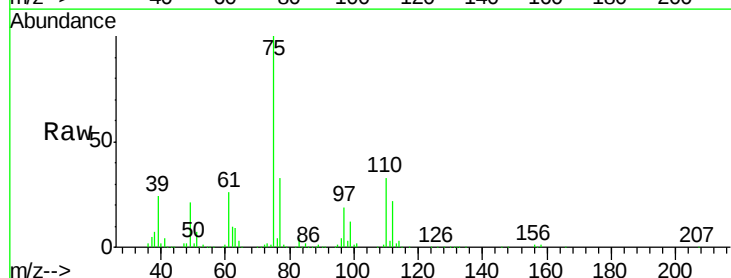
RT: 10.49 min Scan# 2898

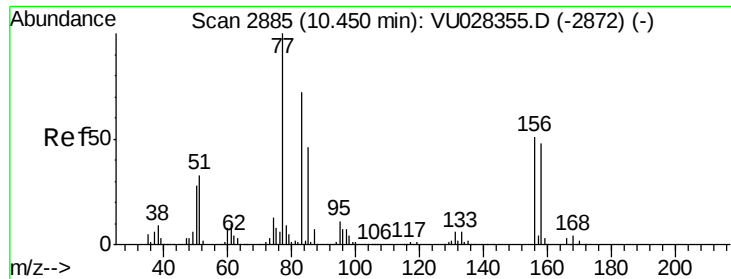
Delta R.T. -0.00 min

Lab File: VU028468.D

Acq: 05 Dec 2018 09:55

Tgt Ion:	75	Resp:	398671
Ion Ratio	Lower	Upper	
75	100		
77	41.4	22.4	67.0





#77

Bromobenzene

Concen: 55.093 ug/l

RT: 10.45 min Scan# 2885

Delta R.T. 0.00 min

Lab File: VU028468.D

Acq: 05 Dec 2018 09:55

Instrument :

MSVOA_U

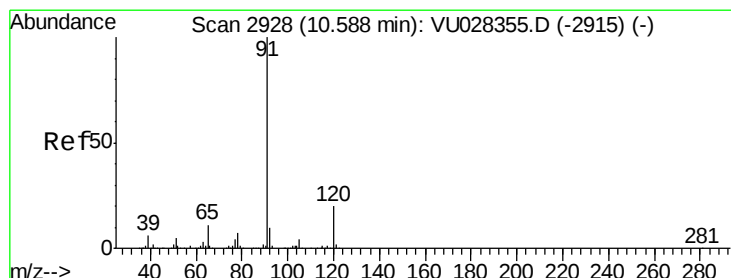
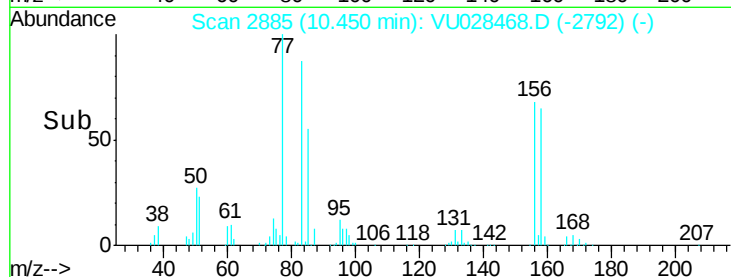
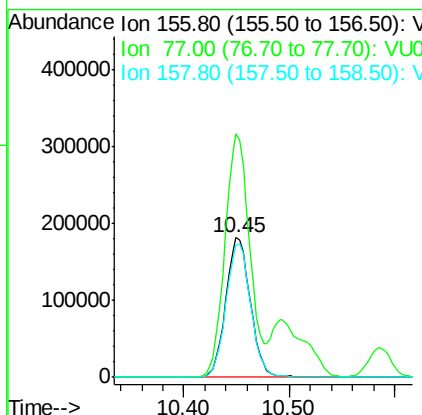
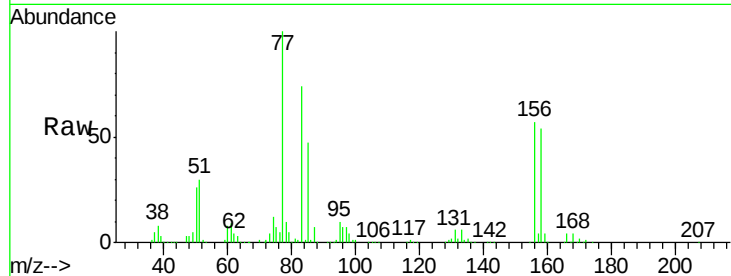
ClientSampleId :

VSTDCCC050

Tgt Ion	Ratio	Resp	Lower	Upper
156	100	291640		
77	177.1	97.0	290.9	
158	95.9	46.8	140.4	

Manual Integrations
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#78

n-propylbenzene

Concen: 53.640 ug/l

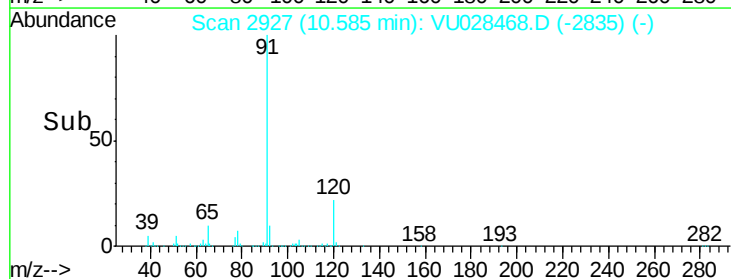
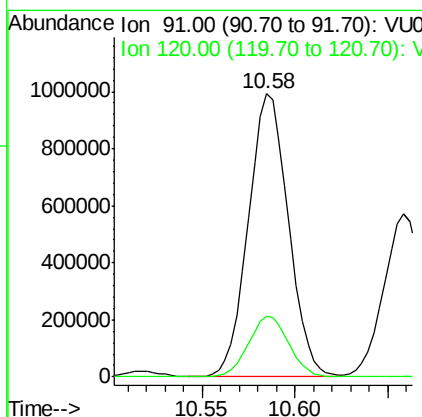
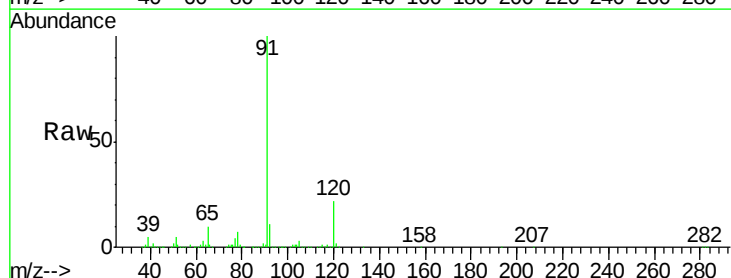
RT: 10.58 min Scan# 2927

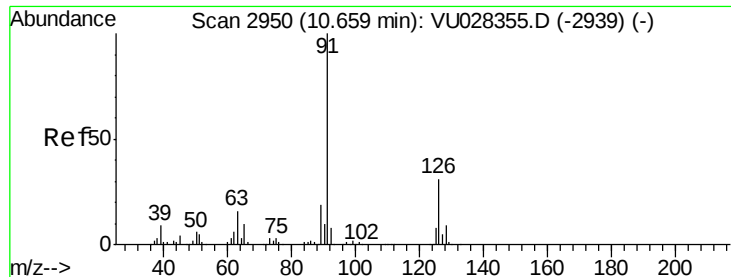
Delta R.T. -0.00 min

Lab File: VU028468.D

Acq: 05 Dec 2018 09:55

Tgt Ion	Ratio	Resp	Lower	Upper
91	100	1486605		
120	21.6	10.3	30.8	





#79

2-Chlorotoluene

Concen: 52.701 ug/l

RT: 10.66 min Scan# 2950

Delta R.T. 0.00 min

Lab File: VU028468.D

Acq: 05 Dec 2018 09:55

Instrument :

MSVOA_U

ClientSampleId :

VSTDCCC050

Tgt Ion: 91 Resp: 861024

Ion Ratio Lower Upper

91 100

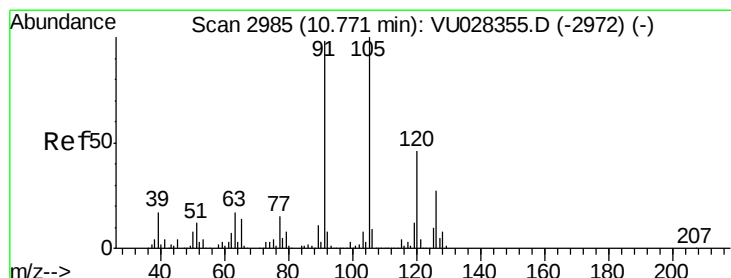
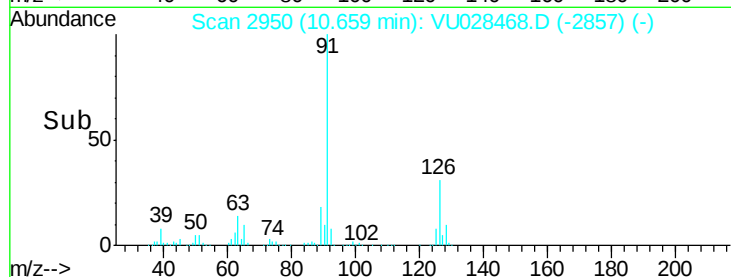
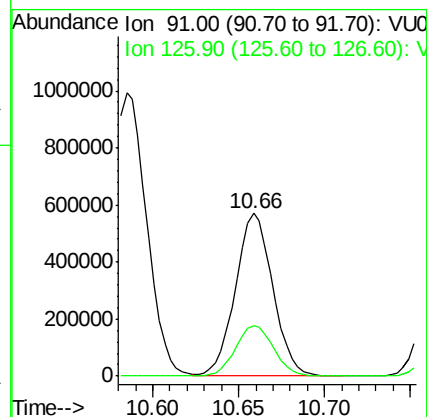
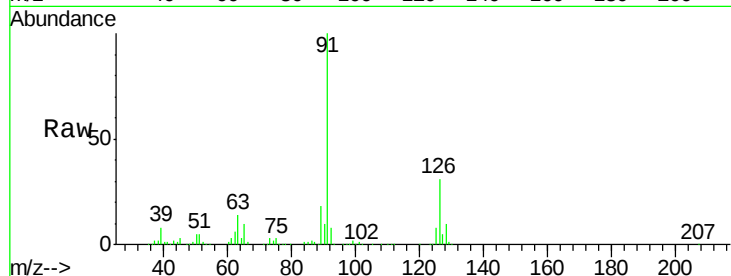
126 32.0 15.4 46.1

Manual Integrations

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#80

1,3,5-Trimethylbenzene

Concen: 53.454 ug/l

RT: 10.77 min Scan# 2985

Delta R.T. 0.00 min

Lab File: VU028468.D

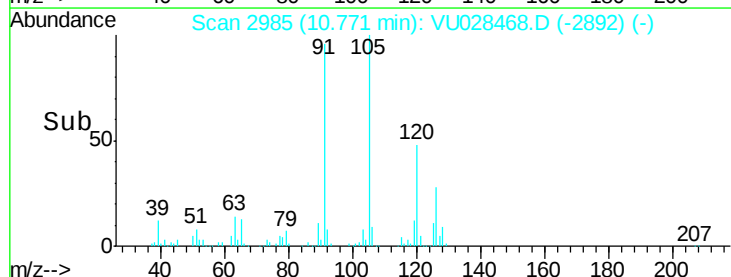
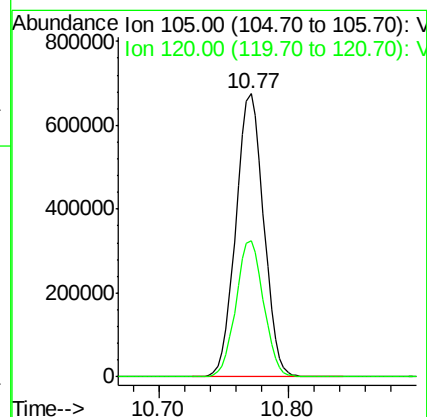
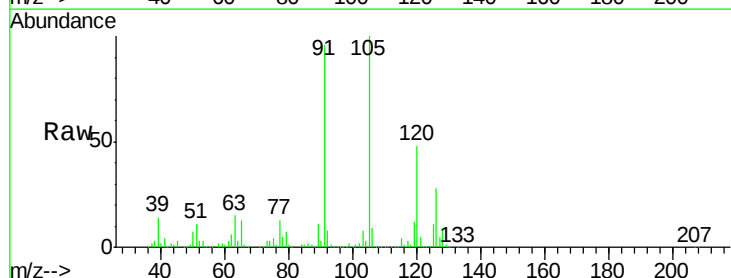
Acq: 05 Dec 2018 09:55

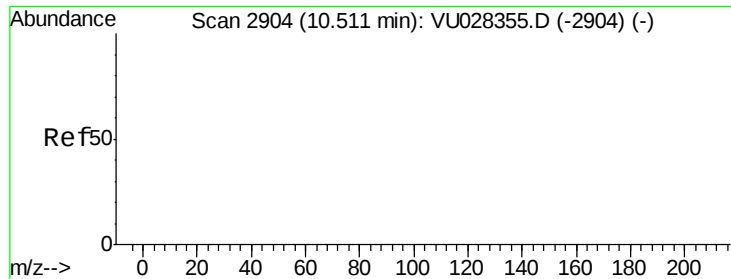
Tgt Ion: 105 Resp: 1011991

Ion Ratio Lower Upper

105 100

120 47.8 23.4 70.0





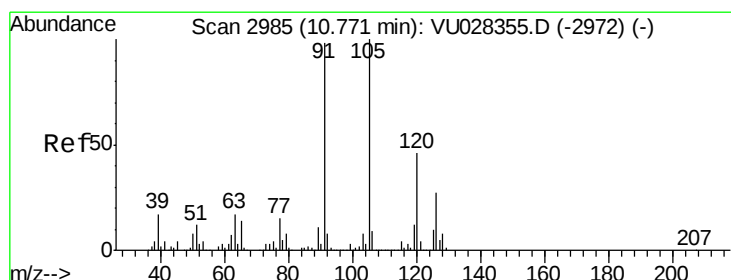
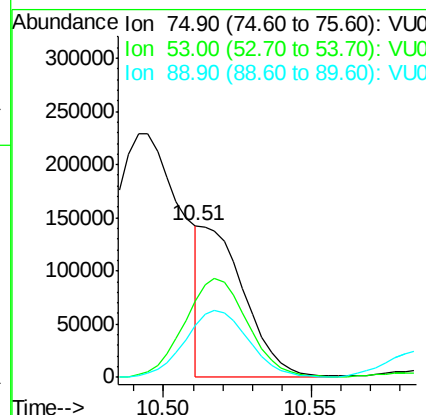
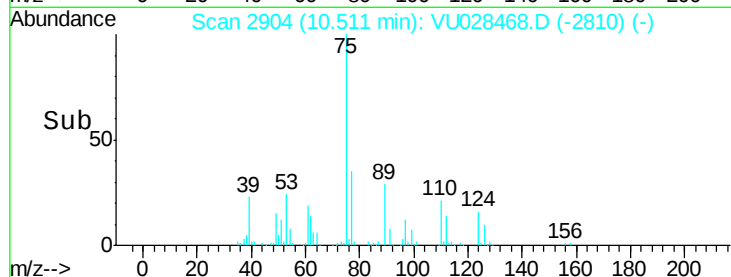
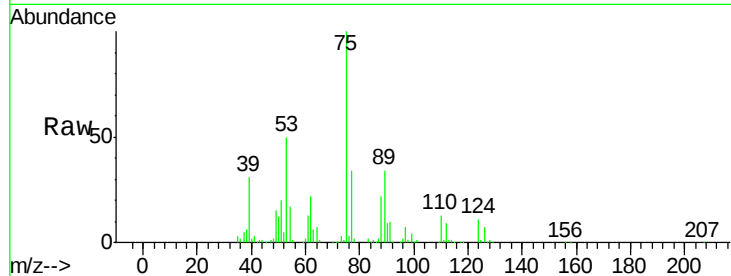
#81
trans-1,4-Dichloro-2-butene
Concen: 48.041 ug/l m
RT: 10.51 min Scan# 2904
Delta R.T. 0.00 min
Lab File: VU028468.D
Acq: 05 Dec 2018 09:55

Instrument :
MSVOA_U
ClientSampleId :
VSTDCCC050

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

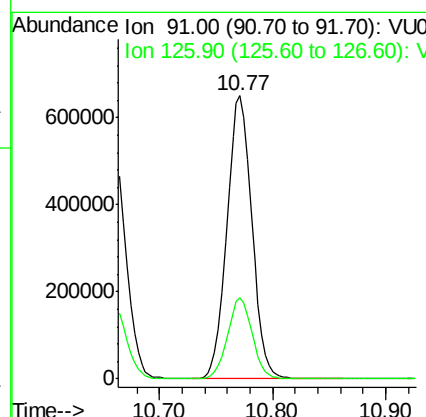
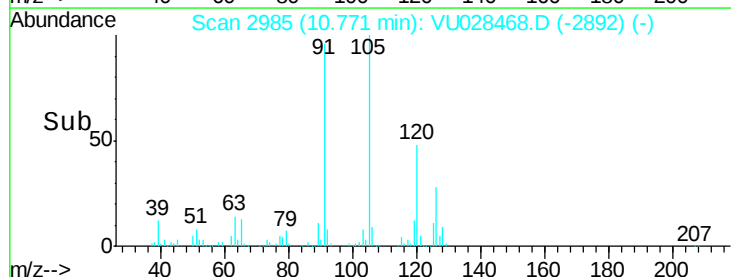
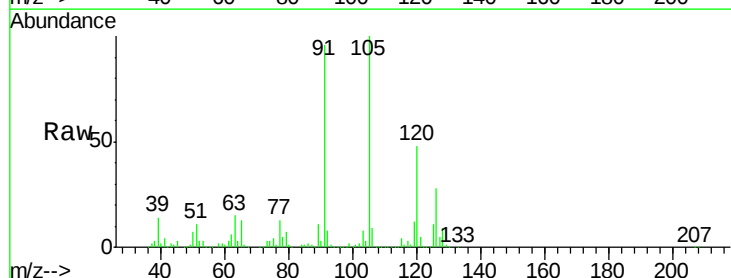
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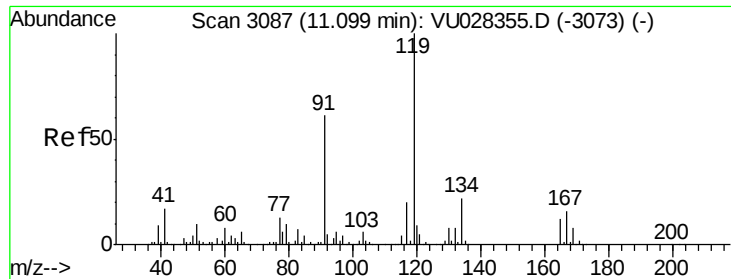
MMDadoda
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#82
4-Chlorotoluene
Concen: 52.927 ug/l
RT: 10.77 min Scan# 2985
Delta R.T. 0.00 min
Lab File: VU028468.D
Acq: 05 Dec 2018 09:55

Tgt Ion	Ratio	Resp Lower	Upper
91	100		
126	28.3	13.9	41.6





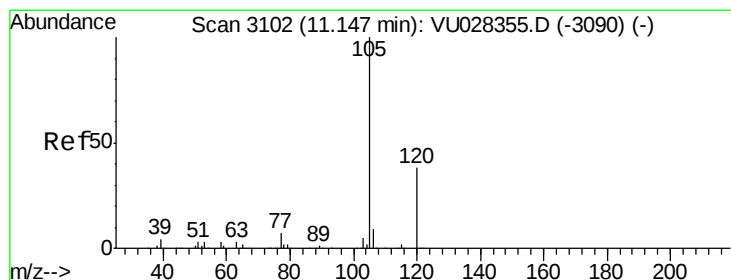
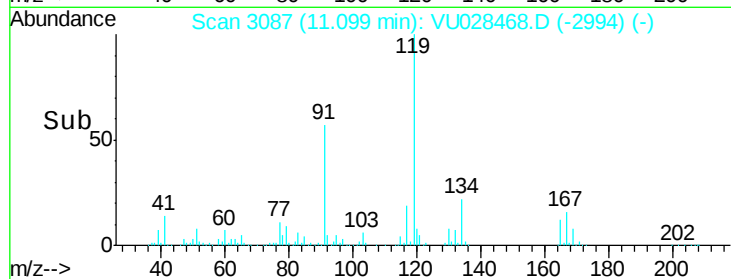
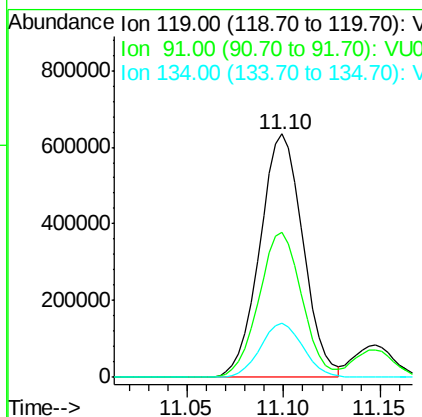
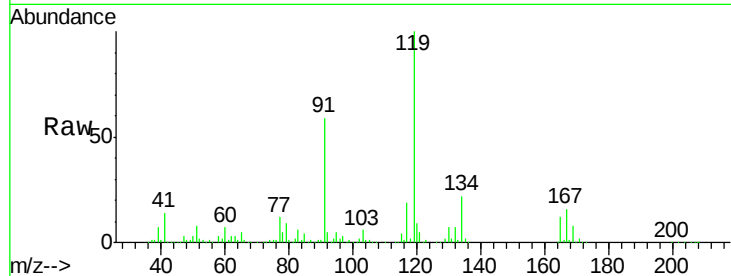
#83
 tert-Butylbenzene
 Concen: 55.741 ug/l
 RT: 11.10 min Scan# 3087
 Delta R.T. 0.00 min
 Lab File: VU028468.D
 Acq: 05 Dec 2018 09:55

Instrument :
 MSVOA_U
 ClientSampleId :
 VSTDCCC050

Tgt Ion	Ratio	Resp	Lower	Upper
119	100	983732		
91	59.5	30.8	92.4	
134	22.1	11.1	33.1	

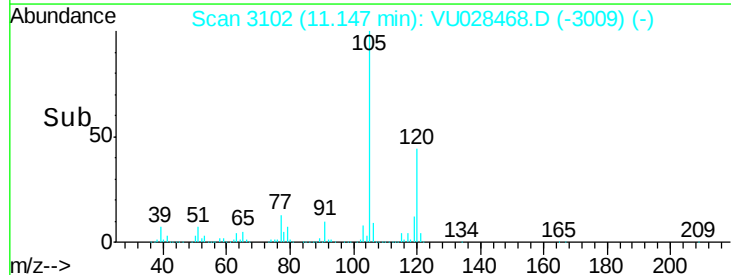
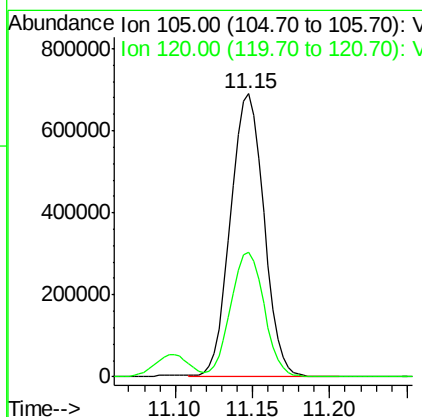
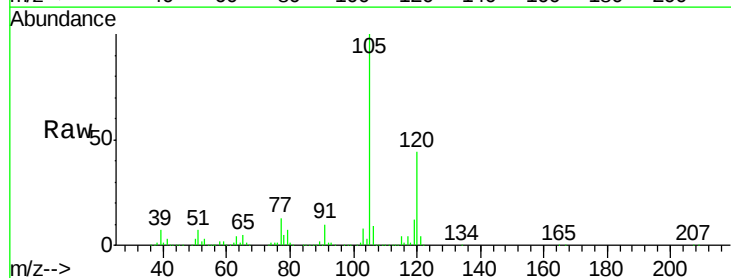
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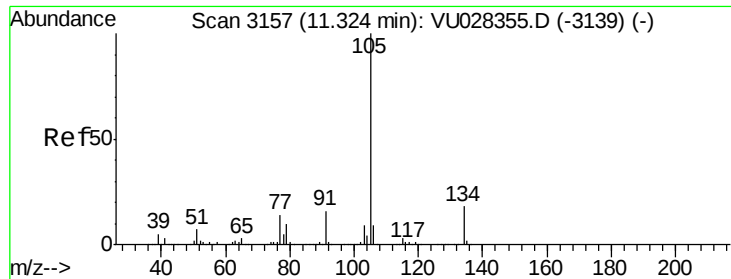
MMDadoda
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#84
 1,2,4-Trimethylbenzene
 Concen: 53.937 ug/l
 RT: 11.15 min Scan# 3102
 Delta R.T. 0.00 min
 Lab File: VU028468.D
 Acq: 05 Dec 2018 09:55

Tgt Ion	Ratio	Resp	Lower	Upper
105	100	1034287		
120	44.3	21.4	64.3	





#85

sec-Butylbenzene

Concen: 54.091 ug/l

RT: 11.32 min Scan# 3156

Delta R.T. -0.00 min

Lab File: VU028468.D

Acq: 05 Dec 2018 09:55

Instrument :

MSVOA_U

ClientSampleId :

VSTDCCC050

Tgt Ion:105 Resp: 1239899

Ion Ratio Lower Upper

105 100

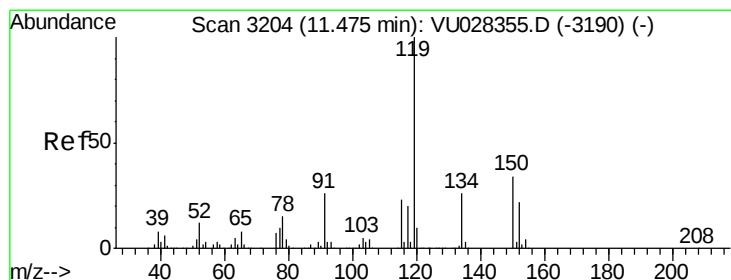
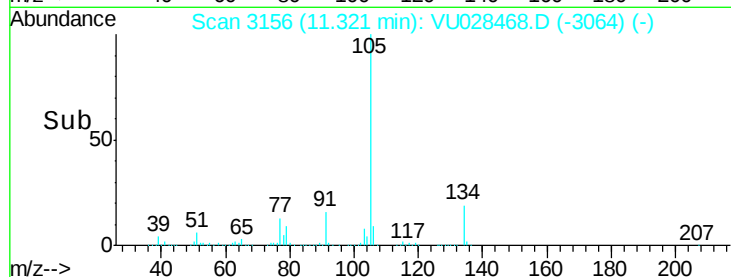
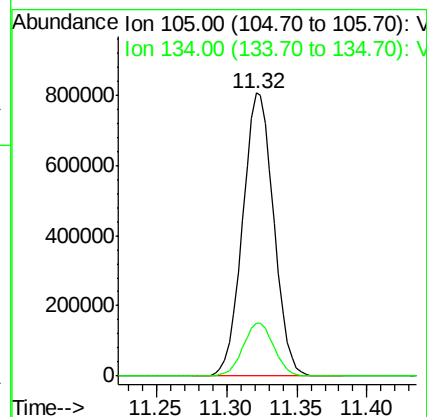
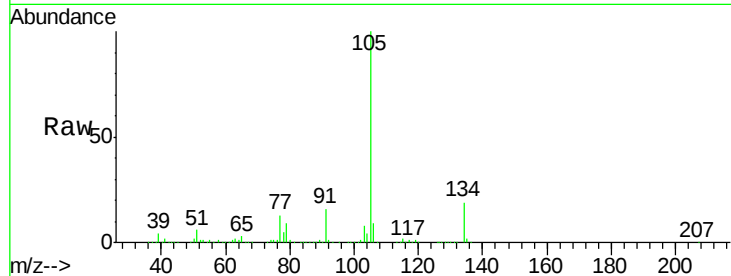
134 18.7 9.3 27.7

Manual Integrations

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#86

p-Isopropyltoluene

Concen: 56.440 ug/l

RT: 11.48 min Scan# 3204

Delta R.T. 0.00 min

Lab File: VU028468.D

Acq: 05 Dec 2018 09:55

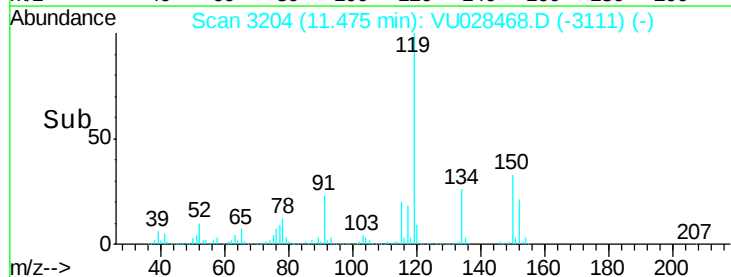
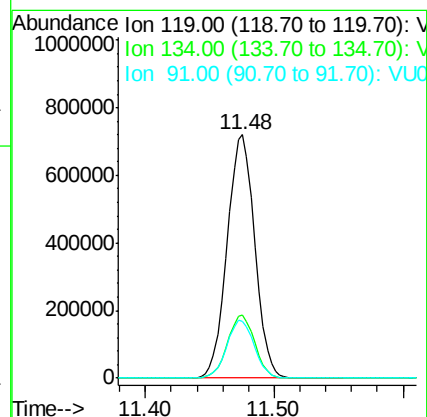
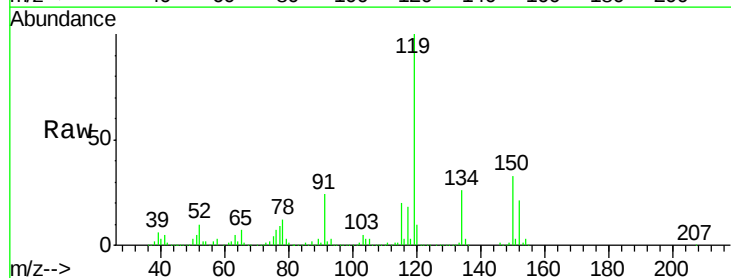
Tgt Ion:119 Resp: 1063788

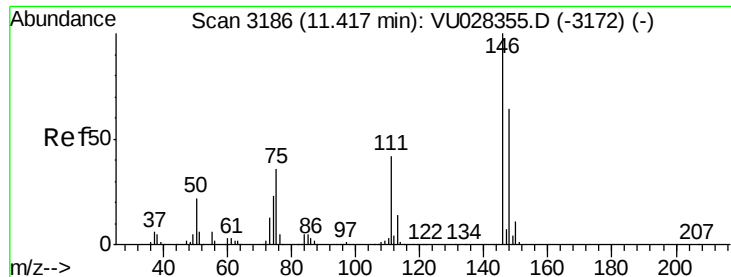
Ion Ratio Lower Upper

119 100

134 25.7 12.8 38.3

91 23.7 13.1 39.1





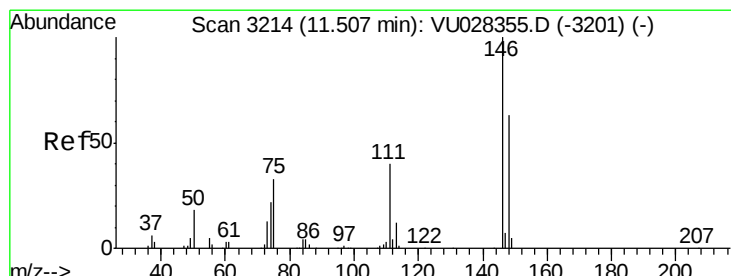
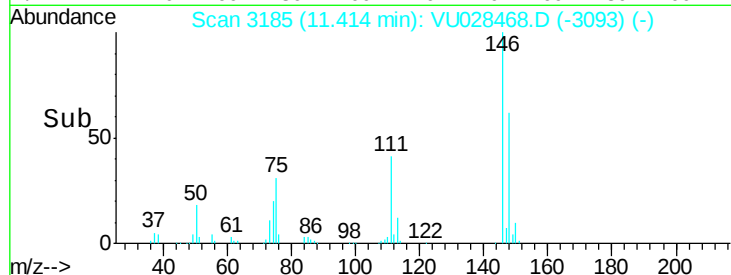
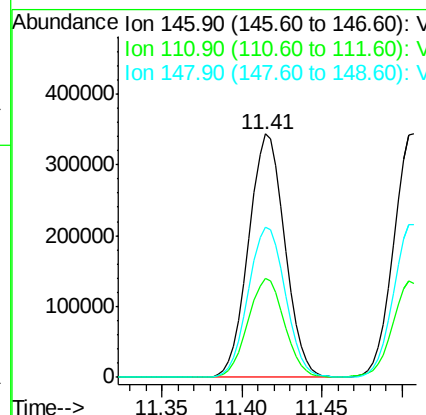
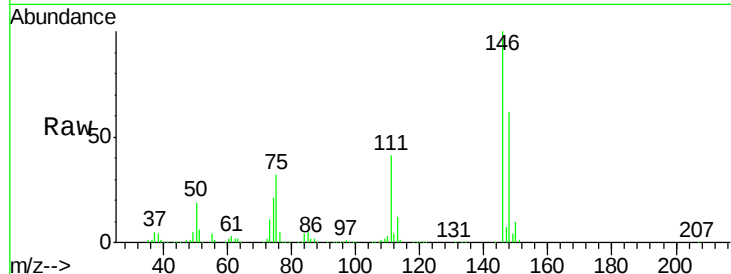
#87
 1,3-Dichlorobenzene
 Concen: 54.907 ug/l
 RT: 11.41 min Scan# 3185
 Delta R.T. -0.00 min
 Lab File: VU028468.D
 Acq: 05 Dec 2018 09:55

Instrument :
 MSVOA_U
 ClientSampleId :
 VSTDCCC050

Tgt Ion	Ratio	Lower	Upper
146	100		
111	41.0	20.8	62.4
148	63.3	31.8	95.3

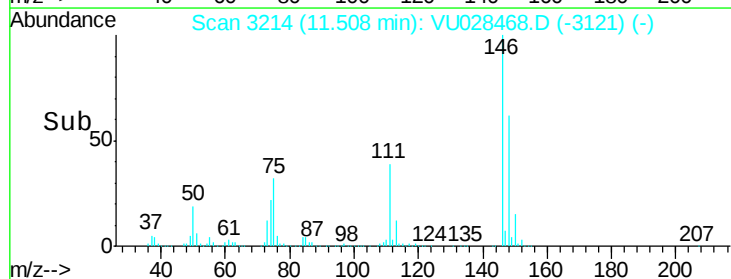
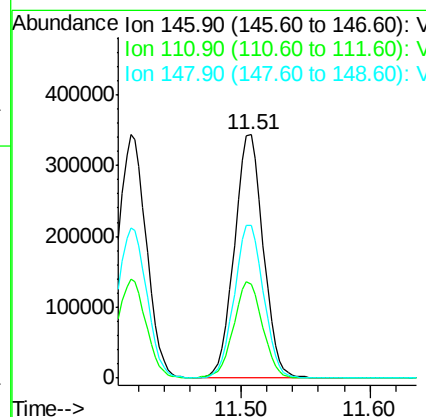
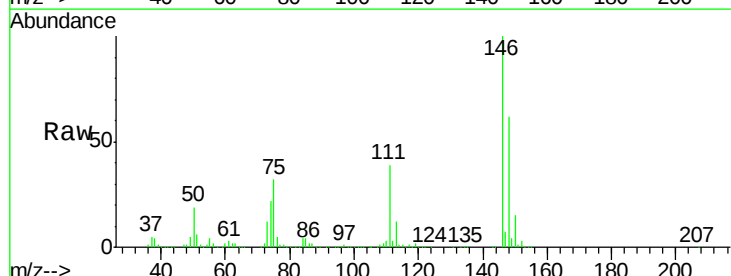
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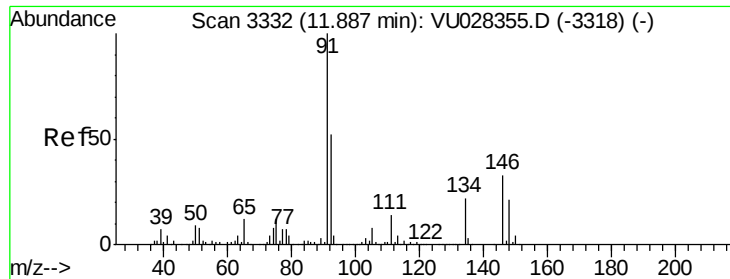
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#88
 1,4-Dichlorobenzene
 Concen: 54.888 ug/l
 RT: 11.51 min Scan# 3214
 Delta R.T. 0.00 min
 Lab File: VU028468.D
 Acq: 05 Dec 2018 09:55

Tgt Ion	Ratio	Lower	Upper
146	100		
111	39.7	20.6	61.9
148	63.6	31.1	93.5





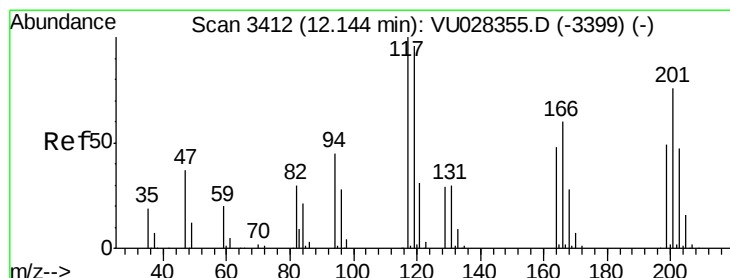
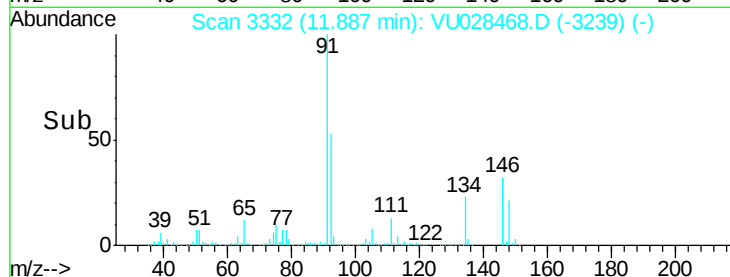
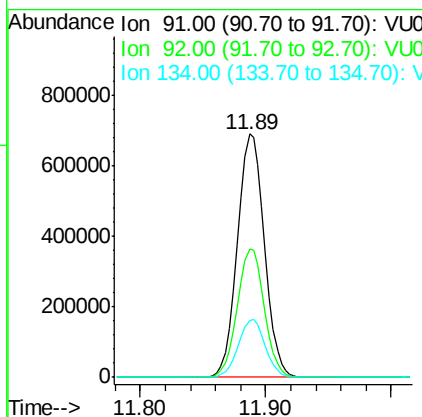
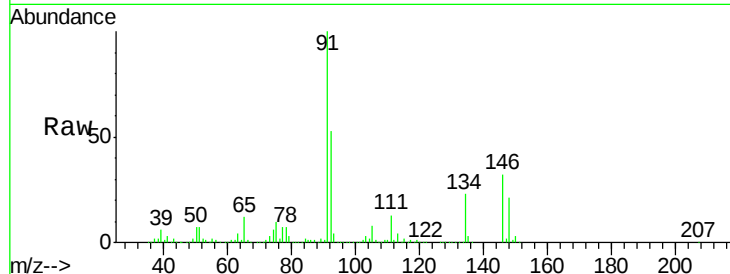
#89
n-Butylbenzene
Concen: 55.377 ug/l
RT: 11.89 min Scan# 3332
Delta R.T. 0.00 min
Lab File: VU028468.D
Acq: 05 Dec 2018 09:55

Instrument :
MSVOA_U
ClientSampleId :
VSTDCCC050

Tgt Ion: 91 Resp: 1030102
Ion Ratio Lower Upper
91 100
92 52.8 26.2 78.5
134 23.9 11.1 33.1

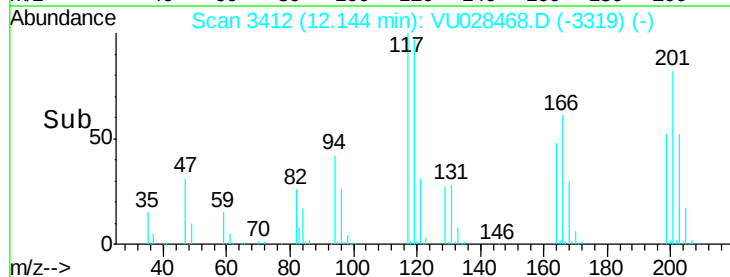
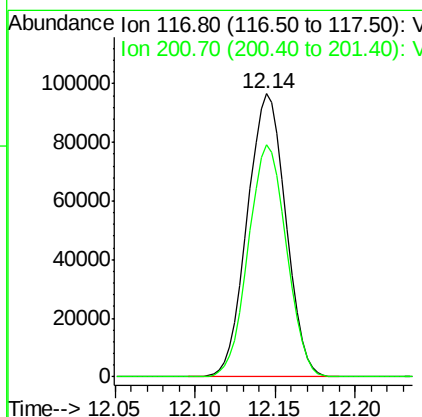
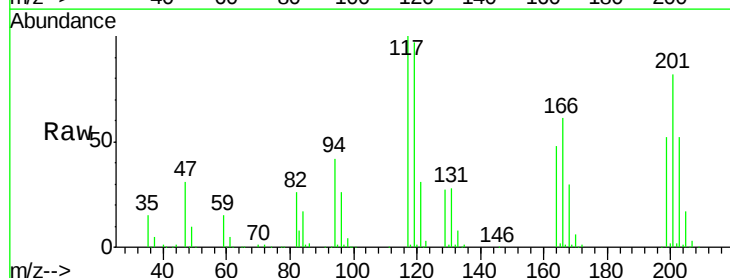
Manual Integrations
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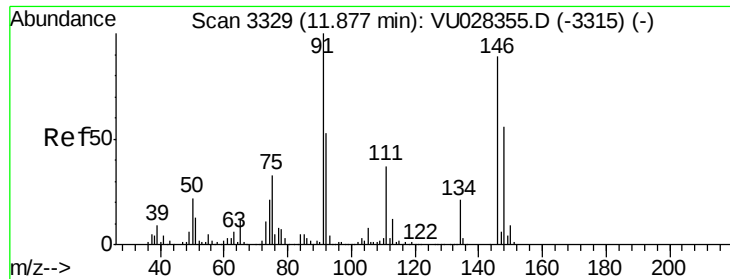
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#90
Hexachloroethane
Concen: 54.080 ug/l
RT: 12.14 min Scan# 3412
Delta R.T. 0.00 min
Lab File: VU028468.D
Acq: 05 Dec 2018 09:55

Tgt Ion: 117 Resp: 159135
Ion Ratio Lower Upper
117 100
201 81.2 37.7 113.1





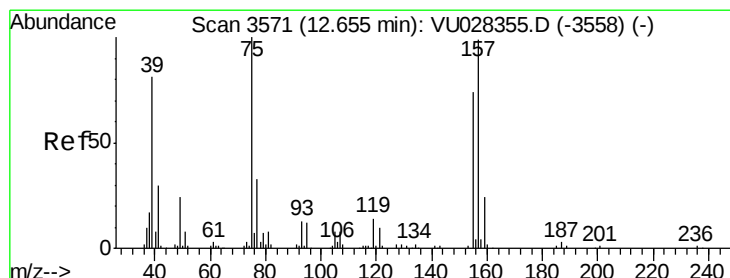
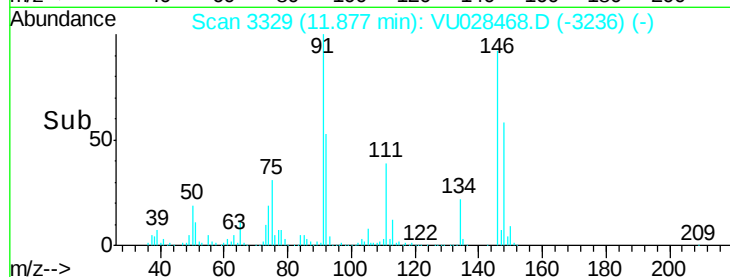
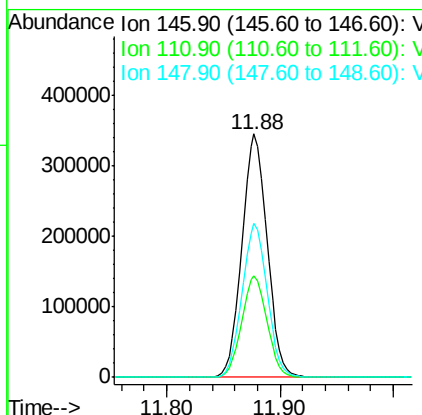
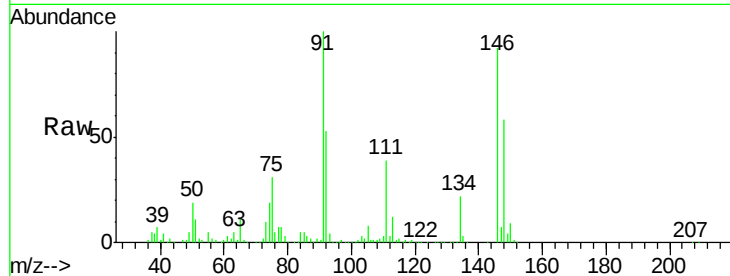
#91
 1,2-Dichlorobenzene
 Concen: 55.729 ug/l
 RT: 11.88 min Scan# 3329
 Delta R.T. 0.00 min
 Lab File: VU028468.D
 Acq: 05 Dec 2018 09:55

Instrument :
 MSVOA_U
 ClientSampleId :
 VSTDCCC050

Tgt Ion	Ratio	Resp	Lower	Upper
146	100	536835		
111	41.8		21.4	64.3
148	63.2		32.2	96.6

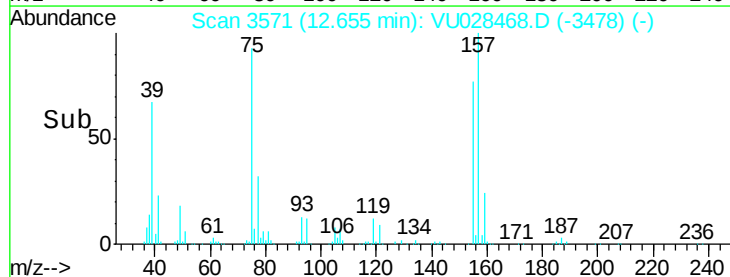
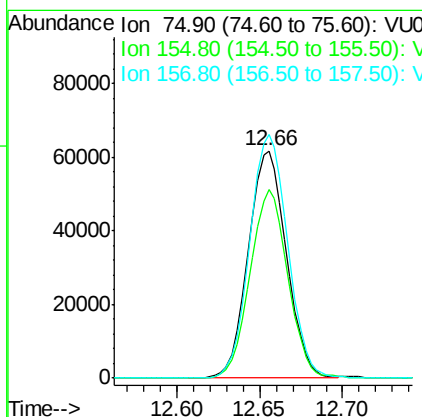
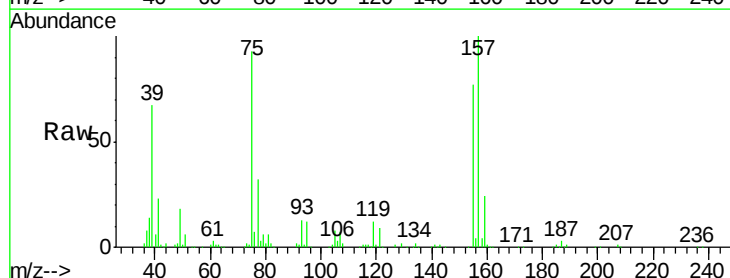
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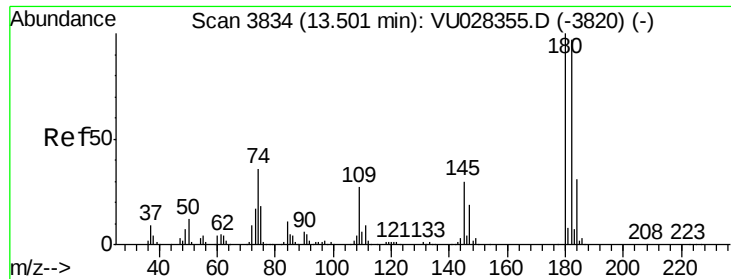
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#92
 1,2-Dibromo-3-Chloropropane
 Concen: 48.049 ug/l
 RT: 12.66 min Scan# 3571
 Delta R.T. 0.00 min
 Lab File: VU028468.D
 Acq: 05 Dec 2018 09:55

Tgt Ion	Ratio	Resp	Lower	Upper
75	100	98739		
155	82.8		36.9	110.7
157	107.0		47.5	142.5





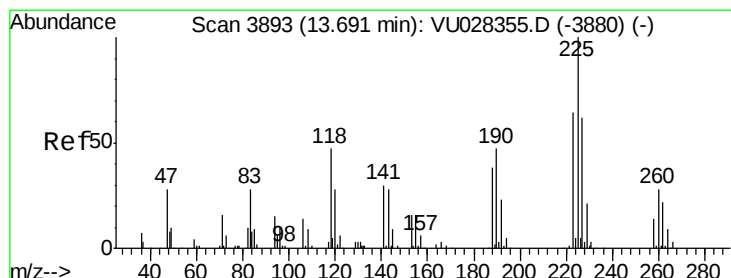
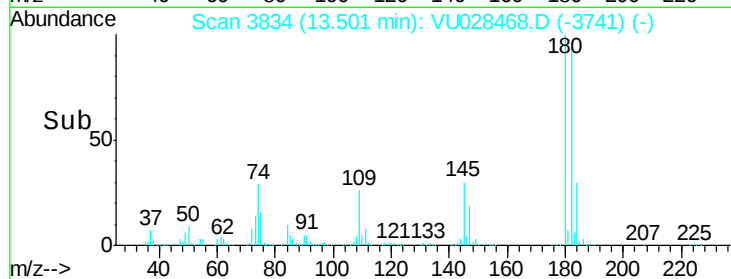
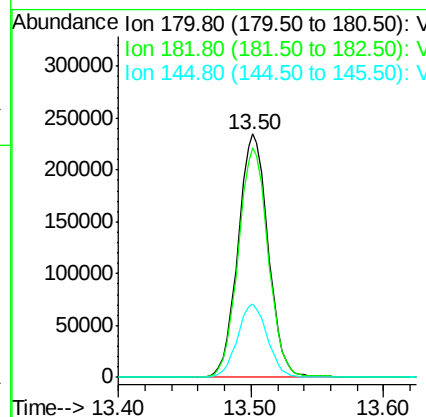
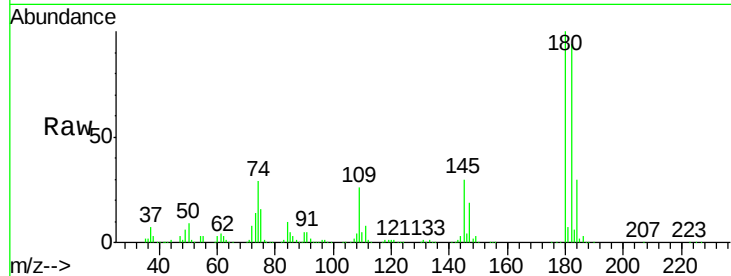
#93
 1,2,4-Trichlorobenzene
 Concen: 58.590 ug/l
 RT: 13.50 min Scan# 3834
 Delta R.T. 0.00 min
 Lab File: VU028468.D
 Acq: 05 Dec 2018 09:55

Instrument :
 MSVOA_U
 ClientSampleId :
 VSTDCCC050

Tgt Ion:	180	Resp:	369432
Ion Ratio	Lower	Upper	
180	100		
182	94.3	48.3	144.9
145	29.9	15.2	45.5

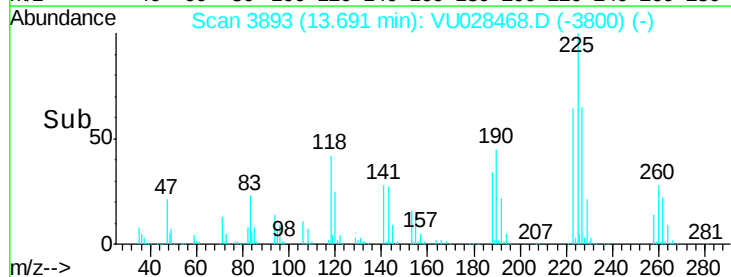
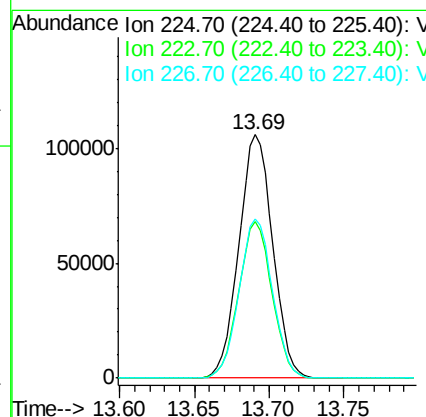
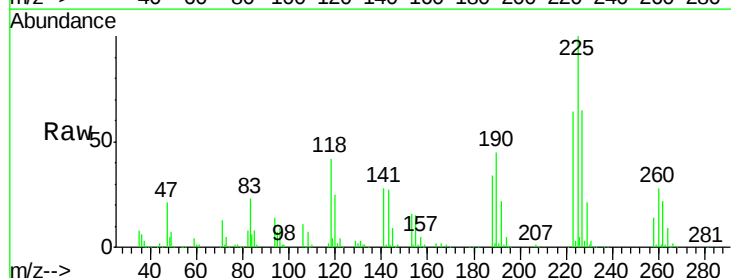
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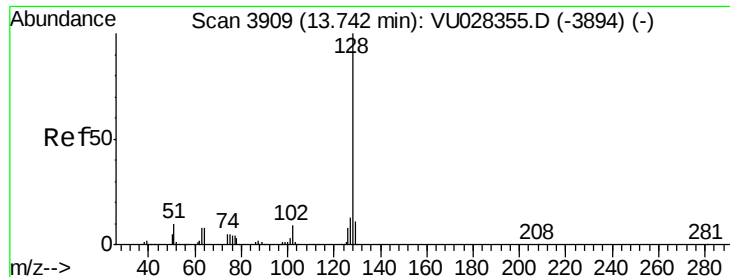
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#94
 Hexachlorobutadiene
 Concen: 56.105 ug/l
 RT: 13.69 min Scan# 3893
 Delta R.T. 0.00 min
 Lab File: VU028468.D
 Acq: 05 Dec 2018 09:55

Tgt Ion:	225	Resp:	167045
Ion Ratio	Lower	Upper	
225	100		
223	63.1	31.6	94.7
227	64.3	30.8	92.4





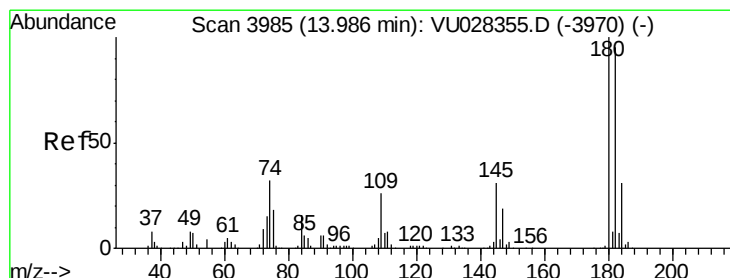
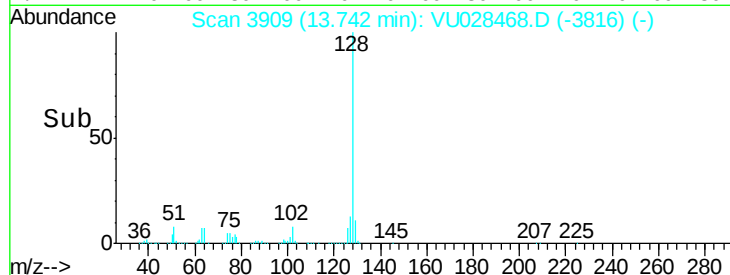
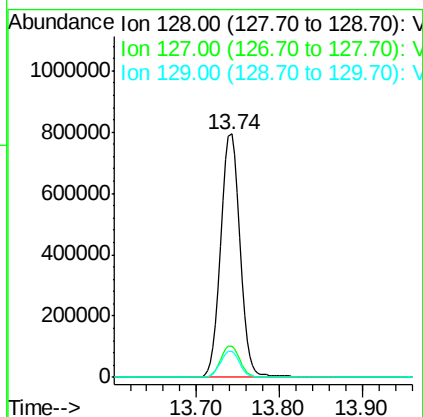
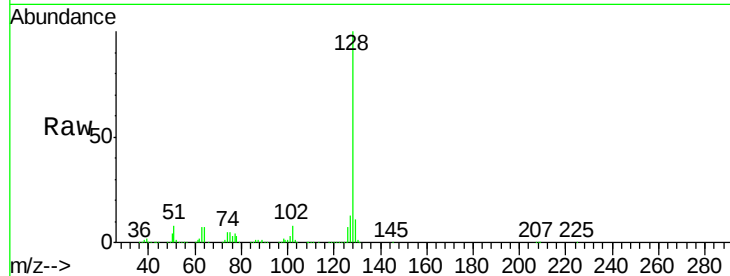
#95
Naphthalene
Concen: 52.345 ug/l
RT: 13.74 min Scan# 3909
Delta R.T. 0.00 min
Lab File: VU028468.D
Acq: 05 Dec 2018 09:55

Instrument :
MSVOA_U
ClientSampleId :
VSTDCCC050

Tgt Ion:128 Resp: 1275994
Ion Ratio Lower Upper
128 100
127 12.9 10.6 15.8
129 10.7 8.6 12.8

Manual Integrations
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#96
1,2,3-Trichlorobenzene
Concen: 58.237 ug/l
RT: 13.99 min Scan# 3985
Delta R.T. 0.00 min
Lab File: VU028468.D
Acq: 05 Dec 2018 09:55

Tgt Ion:180 Resp: 371385
Ion Ratio Lower Upper
180 100
182 95.4 47.7 143.1
145 31.7 15.7 47.1

