

Data Path : Z:\VOASRV\HPCHEM1\MSVOA U\DATA\U072419\
 Data File : VU033392.D
 Acq On : 24 Jul 2019 18:41
 Operator : JC/SP
 Sample : VSTDCCC010
 Misc : 25.0mL/MSVOA U/WATER
 ALS Vial : 18 Sample Multiplier: 1

Instrument :
 MSVOA_U
 ClientSampleID :
 VSTDCCC010EC

Manual Integrations
 APPROVED

Quant Time: Jul 25 12:11:45 2019
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA U\METHOD\524U072219DW.M
 Quant Title : METHOD 524.2 VOLATILES DRINKING WATER
 QLast Update : Wed Jul 24 03:53:19 2019
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Fluorobenzene	5.72	96	29980	1.00	ug/l	0.00

System Monitoring Compounds

57) 4-Bromofluorobenzene	10.29	95	12958	1.10	ug/l	0.00
Spiked Amount	1.000		Recovery	=	110.00%	
68) 1,2-Dichlorobenzene-d4	11.85	152	12802	1.05	ug/l	0.00
Spiked Amount	1.000		Recovery	=	105.00%	

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Target Compounds

Target Compounds	R.T.	QIon	Response	Conc	Units	Ovalue
2) Dichlorodifluoromethane	1.20	85	129534	10.447	ug/l	98
3) Chloromethane	1.32	50	125200	9.149	ug/l	96
4) Vinyl Chloride	1.40	62	144998	9.495	ug/l	98
5) Bromomethane	1.62	94	99507	10.351	ug/l	99
6) Chloroethane	1.69	64	93989	8.764	ug/l	99
7) Trichlorofluoromethane	1.87	101	207705	9.906	ug/l	99
8) 1,1,2-Trichloro-1,2,2-trif	2.27	101	109506	10.124	ug/l	99
9) 1,1-Dichloroethene	2.27	96	106113	9.961	ug/l	99
10) Iodomethane	2.40	142	122331	8.545	ug/l	99
11) Allyl Chloride	2.58	41	169363	9.634	ug/l	100
12) Acrylonitrile	2.92	53	51886	17.448	ug/l	99
13) Acetone	2.31	43	111784	44.060	ug/l	99
14) Carbon Disulfide	2.46	76	389361	9.619	ug/l	99
15) Methylene Chloride	2.68	84	130786	9.103	ug/l	97
16) trans-1,2-Dichloroethene	2.96	96	120720	9.543	ug/l	96
17) 1,1-Dichloroethane	3.42	63	174115	10.255	ug/l	99
18) 2-Butanone	4.25	43	122188	50.458	ug/l	100
19) Cyclohexane	4.97	56	133319m	10.700	ug/l	
20) Methylcyclohexane	6.40	83	141057	11.245	ug/l	98
21) 2,2-Dichloropropane	4.20	77	147948	10.284	ug/l	99
22) cis-1,2-Dichloroethene	4.20	96	100008	10.431	ug/l	99
23) Diethyl Ether	2.09	59	85180	9.276	ug/l	98
24) tert-Butyl Alcohol	2.82	59	93016	81.832	ug/l	99
25) Methyl tert-Butyl Ether	2.98	73	288331	9.400	ug/l	98
26) Bromochloromethane	4.52	128	43188	10.244	ug/l	96
27) Chloroform	4.65	83	182353	9.398	ug/l	100
28) 1,1,1-Trichloroethane	4.89	97	156110	10.391	ug/l	100
29) 1,1-Dichloropropene	5.11	75	132014	10.654	ug/l	98
30) Carbon Tetrachloride	5.11	117	137071	10.367	ug/l	99
31) Isopropyl Ether	3.56	45	220543	10.277	ug/l	98
32) Ethyl-t-butyl ether	4.05	59	208449	10.104	ug/l	99
33) Tert-Amyl methyl ether	5.56	73	195594	10.543	ug/l	98
34) Propionitrile	4.31	54	36202	52.114	ug/l #	96
35) Benzene	5.36	78	380398	10.625	ug/l	100
36) 1,2-Dichloroethane	5.38	62	121936	10.234	ug/l	99
37) Trichloroethene	6.16	130	97081	10.274	ug/l	95
38) 1,2-Dichloropropane	6.41	63	102355	10.362	ug/l	100
39) Methacrylonitrile	4.52	41	27428	9.947	ug/l	97
40) Methyl acrylate	4.40	55	42253	9.849	ug/l #	96
41) Tetrahydrofuran	4.63	42	27546	19.922	ug/l	99
42) 1-Chlorobutane	5.04	56	182058	10.958	ug/l	99

7/25/2019 2:16:43 PM

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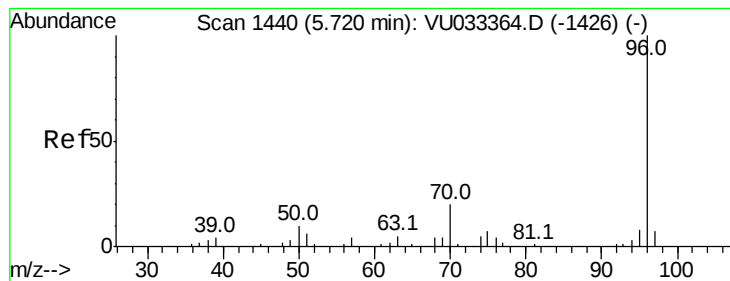
Instrument :
 MSVOA_U
 ClientSampleId :
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Manual Integrations
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Quant Time: Jul 25 12:11:45 2019
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA U\METHOD\524U072219DW.M
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 QLast Update : Wed Jul 24 03:53:19 2019
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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
43) Dibromomethane	6.54	93	55946	10.231	ug/l	99
44) Bromodichloromethane	6.74	83	135063	10.244	ug/l	99
45) 4-Methyl-2-Pentanone	7.45	43	287994	51.637	ug/l	99
46) t-1,4-Dichloro-2-butene	10.50	75	44000m	19.548	ug/l	
47) Methyl methacrylate	6.61	69	88983	21.349	ug/l	98
48) Ethyl methacrylate	8.00	69	78298	10.658	ug/l	99
49) Toluene	7.62	92	240300	11.717	ug/l	100
50) t-1,3-Dichloropropene	7.86	75	117327	10.668	ug/l	100
51) cis-1,3-Dichloropropene	7.25	75	134370	10.348	ug/l	100
52) 1,1,2-Trichloroethane	8.05	97	75542	10.336	ug/l	98
53) 1,3-Dichloropropane	8.22	76	129762	10.507	ug/l	100
54) 2-Hexanone	8.35	43	202053	51.465	ug/l	99
55) Dibromochloromethane	8.46	129	91029	10.663	ug/l	98
56) 1,2-Dibromoethane	8.57	107	69304	10.173	ug/l	98
58) Tetrachloroethene	8.21	164	93665	10.931	ug/l	98
59) Chlorobenzene	9.10	112	261104	11.105	ug/l	98
60) 1,1,1,2-Tetrachloroethane	9.19	131	95624	10.709	ug/l	99
61) Pentachloroethane	11.09	117	81628	11.139	ug/l	100
62) Hexachloroethane	12.13	117	78958	11.136	ug/l	98
63) Ethyl Benzene	9.23	91	452773	11.992	ug/l	99
64) m/p-Xylenes	9.36	106	377683	25.020	ug/l	97
65) o-Xylene	9.76	106	171289	11.842	ug/l	100
66) Styrene	9.77	104	307907	12.548	ug/l	99
67) Bromoform	9.94	173	52042	11.264	ug/l	99
69) Isopropylbenzene	10.15	105	448954	12.104	ug/l	99
70) 1,1,2,2-Tetrachloroethane	10.44	83	100029	10.327	ug/l	99
71) 1,2,3-Trichloropropane	10.48	75	76918m	10.286	ug/l	
72) Bromobenzene	10.44	156	111482	11.378	ug/l	99
73) n-propylbenzene	10.57	120	133762	12.652	ug/l	99
74) 2-Chlorotoluene	10.64	126	118891	12.318	ug/l	99
75) 1,3,5-Trimethylbenzene	10.76	105	427085	12.825	ug/l	100
76) 4-Chlorotoluene	10.76	126	126195	12.548	ug/l	97
77) tert-Butylbenzene	11.09	119	378052	11.979	ug/l	100
78) 1,2,4-Trimethylbenzene	11.13	105	437654	12.858	ug/l	100
79) sec-Butylbenzene	11.31	105	534437	12.303	ug/l	100
80) Nitrobenzene	12.85	77	14432	35.847	ug/l #	95
81) p-Isopropyltoluene	11.46	119	449220	12.720	ug/l	99
82) 1,3-Dichlorobenzene	11.40	146	235483	11.307	ug/l	99
83) 1,4-Dichlorobenzene	11.49	146	240827	11.689	ug/l	99
84) n-Butylbenzene	11.87	91	448038	12.397	ug/l	100
85) 1,2-Dichlorobenzene	11.86	146	217830	11.156	ug/l	99
86) 1,2-Dibromo-3-Chloropropan	12.64	75	15713	10.313	ug/l	98
87) 1,2,4-Trichlorobenzene	13.49	180	132301	11.388	ug/l	99
88) Hexachlorobutadiene	13.68	225	82701	11.542	ug/l	96
89) Naphthalene	13.73	128	235301	8.991	ug/l	99
90) 1,2,3-Trichlorobenzene	13.97	180	130025	11.532	ug/l	99

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



#1

Fluorobenzene

Concen: 1.000 ug/l

RT: 5.72 min Scan# 1440

Delta R.T. -0.00 min

Lab File: VU033392.D

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MSVOA_U

ClientSampleId :

VSTDCCC010EC

Tot Ion: 96 Resp: 29980

Ion Ratio Lower Upper

96 100

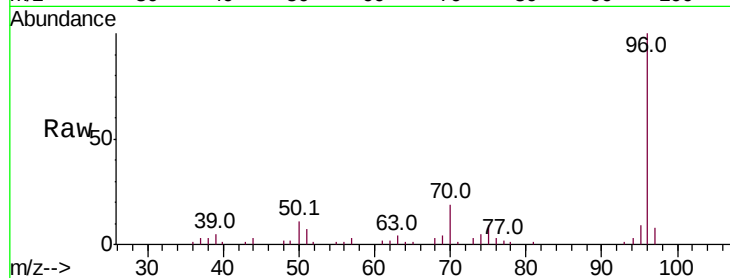
70 20.3 16.4 24.6

95 8.9 6.7 10.1

97 0.0 0.0 0.0

Manual Integrations

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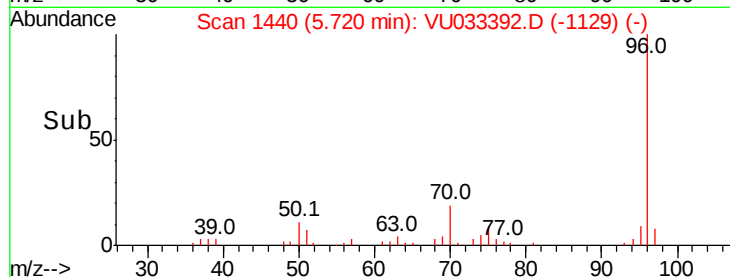
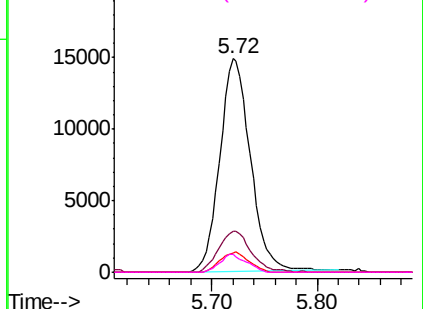


Abundance Ion 96.00 (95.70 to 96.70): VU0

Ion 70.00 (69.70 to 70.70): VU0

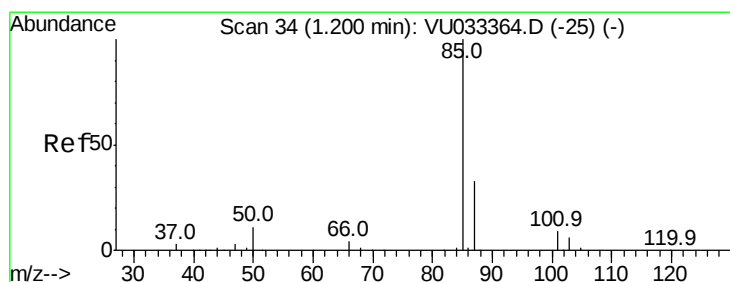
Ion 95.00 (94.70 to 95.70): VU0

Ion 97.00 (96.70 to 97.70): VU0



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7/25/2019 2:16:43 PM



#2

Dichlorodifluoromethane

Concen: 10.447 ug/l

RT: 1.20 min Scan# 34

Delta R.T. -0.00 min

Lab File: VU033392.D

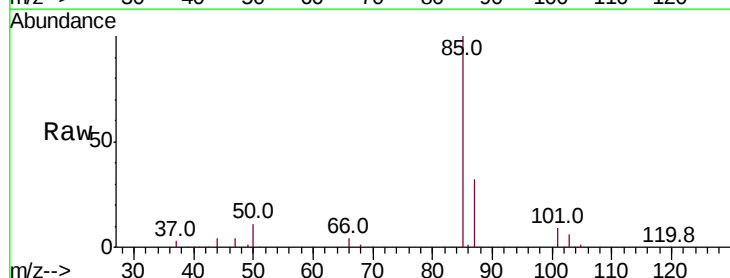
Acq: 24 Jul 2019 18:41

Tgt Ion: 85 Resp: 129534

Ion Ratio Lower Upper

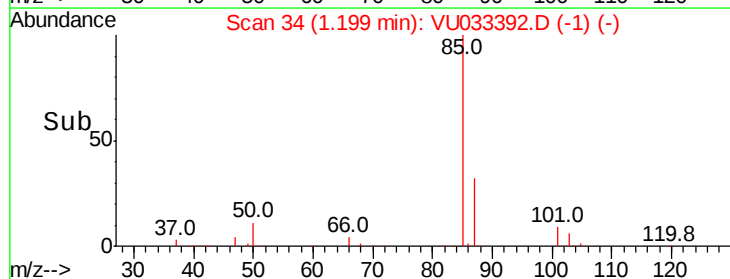
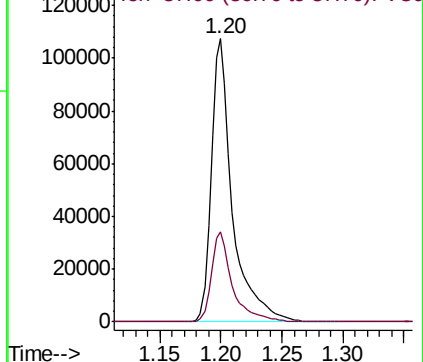
85 100

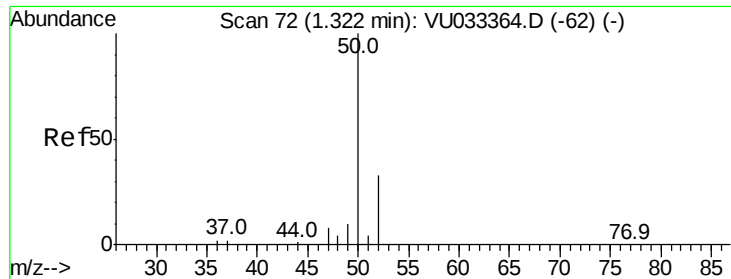
87 31.7 16.6 49.7



Abundance Ion 85.00 (84.70 to 85.70): VU0

Ion 87.00 (86.70 to 87.70): VU0





#3

Chloromethane

Concen: 9.149 ug/l

RT: 1.32 min Scan# 73

Delta R.T. 0.00 min

Lab File: VU033392.D

Acq: 24 Jul 2019 18:41

Instrument :

MSVOA_U

ClientSampleId :

VSTDCCC010EC

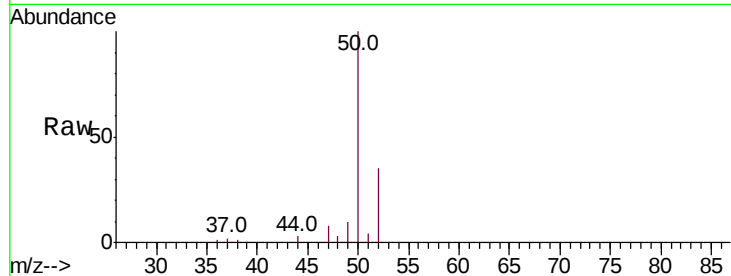
Tot Ion: 50 Resp: 125200

Ion Ratio Lower Upper

50 100

52 34.6 26.1 39.1

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Abundance Ion 50.00 (49.70 to 50.70): VU033364.D (-62) (-)

Ion 52.00 (51.70 to 52.70): VU033364.D (-62) (-)

1.32

100000

50000

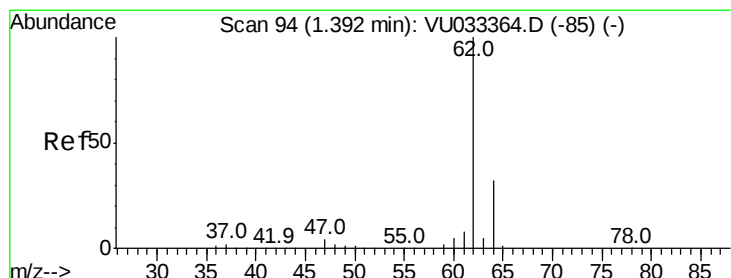
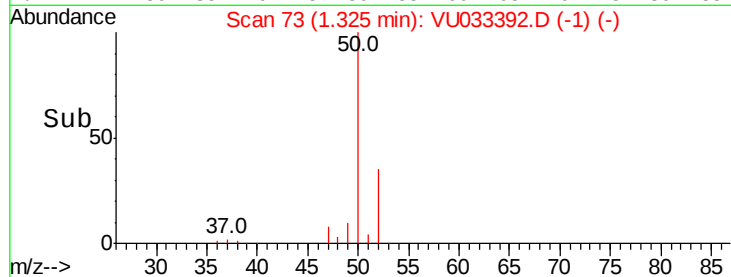
0

1.30 1.35

Time-->

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7/25/2019 2:16:43 PM



#4

Vinyl Chloride

Concen: 9.495 ug/l

RT: 1.40 min Scan# 95

Delta R.T. 0.00 min

Lab File: VU033392.D

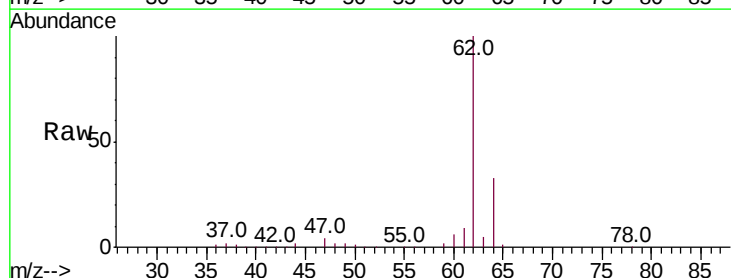
Acq: 24 Jul 2019 18:41

Tgt Ion: 62 Resp: 144998

Ion Ratio Lower Upper

62 100

64 33.1 25.6 38.4



Abundance Ion 62.00 (61.70 to 62.70): VU033364.D (-85) (-)

Ion 64.00 (63.70 to 64.70): VU033364.D (-85) (-)

1.40

150000

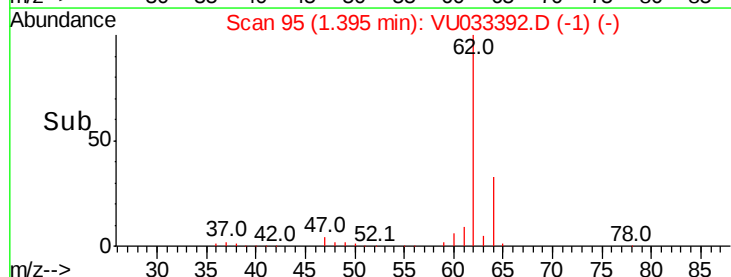
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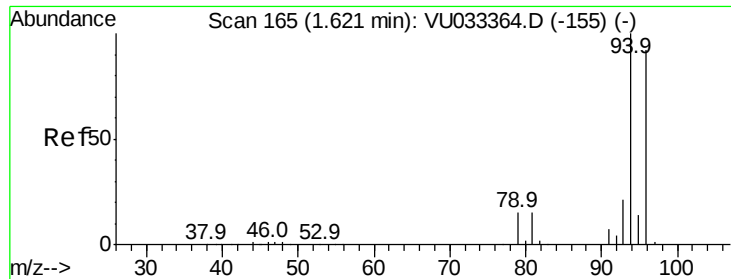
50000

0

1.35 1.40 1.45 1.50

Time-->





#5

Bromomethane

Concen: 10.351 ug/l

RT: 1.62 min Scan# 164

Delta R.T. -0.00 min

Lab File: VU033392.D

Acq: 24 Jul 2019 18:41

Instrument :

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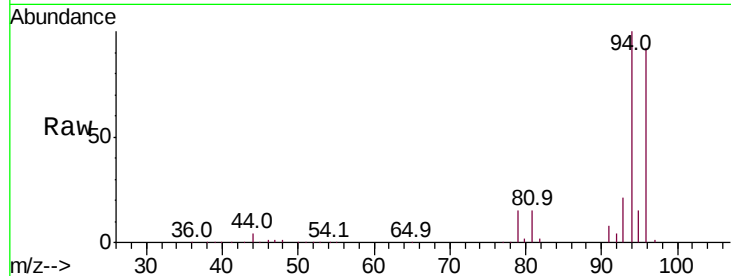
Tot Ion: 94 Resp: 99507

Ion Ratio Lower Upper

94 100

96 92.2 73.2 109.8

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Abundance Ion 94.00 (93.70 to 94.70): VU033392.D (-10) (-)

Ion 96.00 (95.70 to 96.70): VU033392.D (-10) (-)

1.62

80000

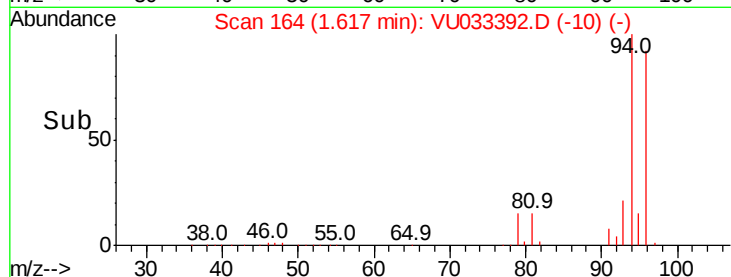
60000

40000

20000

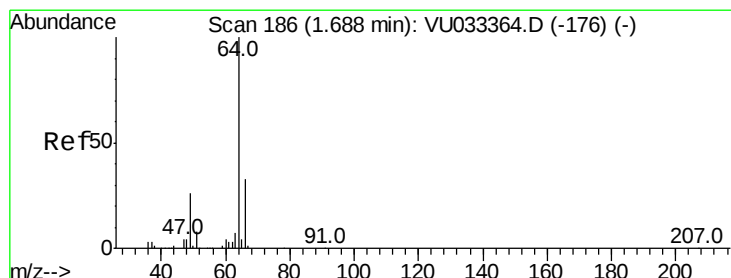
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Time--> 1.55 1.60 1.65 1.70



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7/25/2019 2:16:43 PM



#6

Chloroethane

Concen: 8.764 ug/l

RT: 1.69 min Scan# 186

Delta R.T. -0.00 min

Lab File: VU033392.D

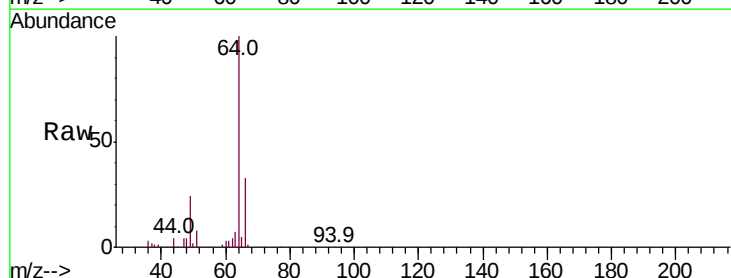
Acq: 24 Jul 2019 18:41

Tgt Ion: 64 Resp: 93989

Ion Ratio Lower Upper

64 100

66 32.7 26.4 39.6



Abundance Ion 64.00 (63.70 to 64.70): VU033392.D (-31) (-)

Ion 66.00 (65.70 to 66.70): VU033392.D (-31) (-)

1.69

80000

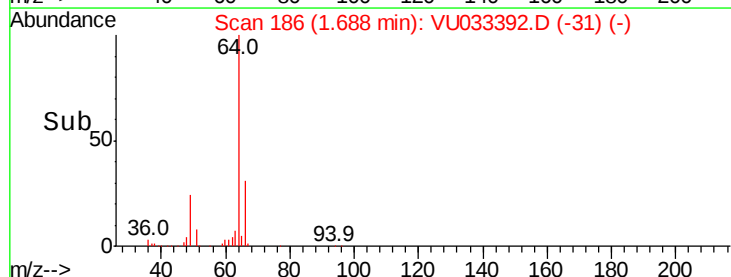
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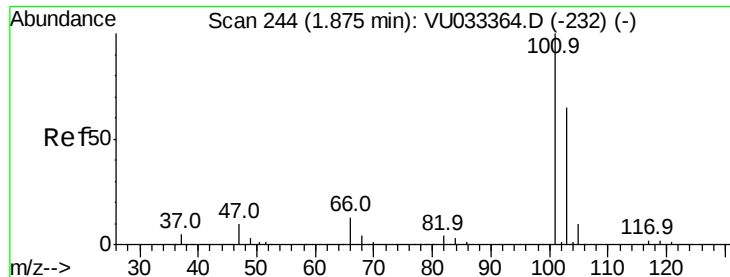
40000

20000

0

Time--> 1.65 1.70 1.75





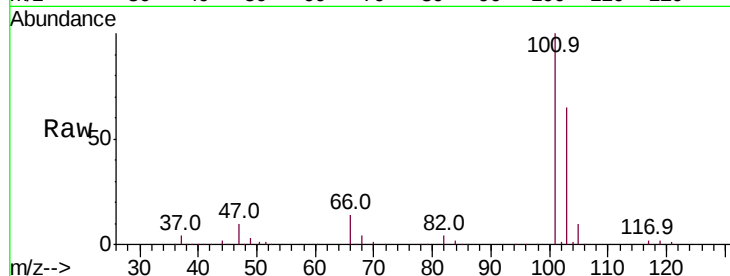
#7

Trichlorofluoromethane
Concen: 9.906 ug/l
RT: 1.87 min Scan# 244
Delta R.T. -0.00 min
Lab File: VU033392.D
Acq: 24 Jul 2019 18:41

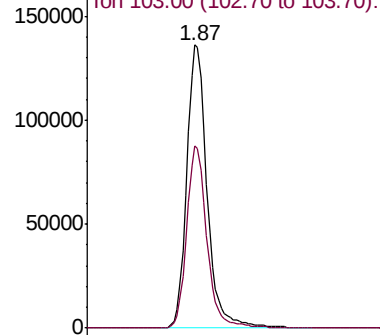
Instrument :
MSVOA_U
ClientSampleId :
VSTDCCC010EC

Tot Ion	Ratio	Lower	Upper
101	100		
103	64.6	52.2	78.2

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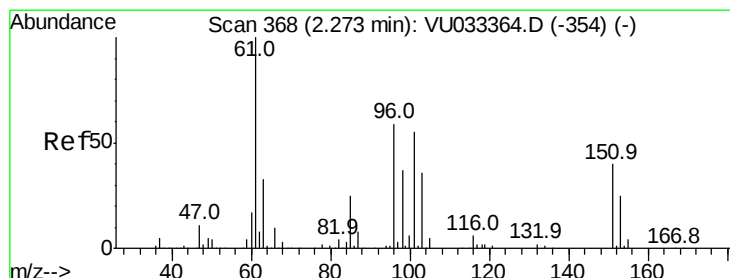
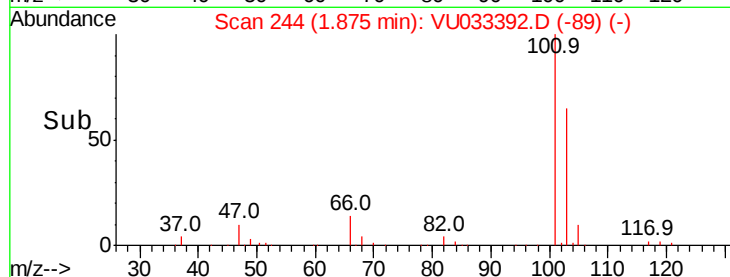


Abundance Ion 101.00 (100.70 to 101.70): V
Ion 103.00 (102.70 to 103.70): V



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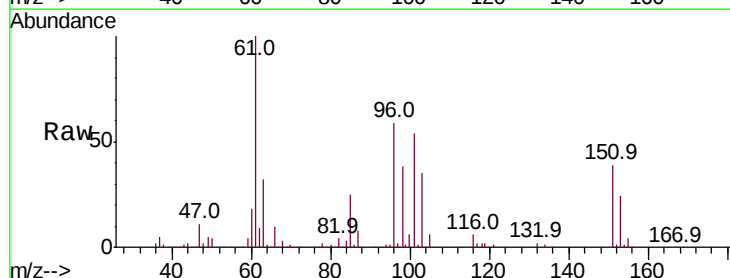
7/25/2019 2:16:43 PM



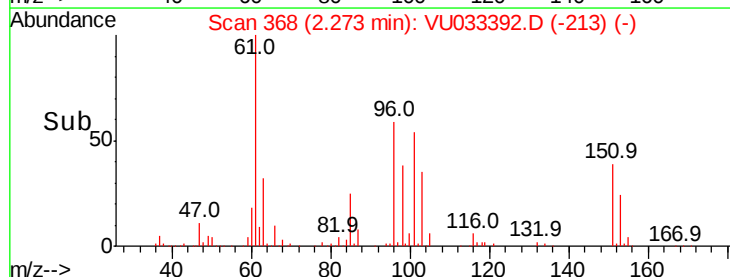
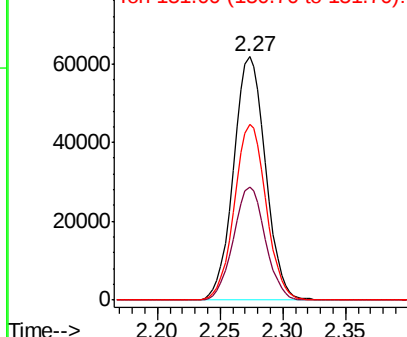
#8

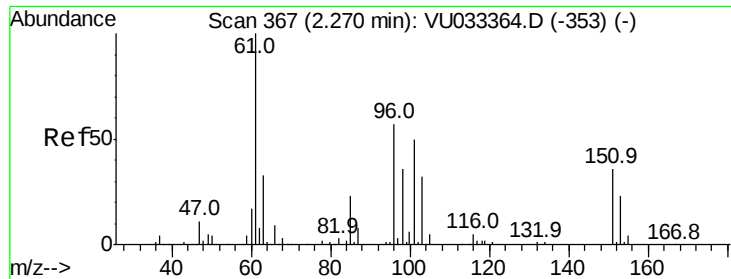
1,1,2-Trichloro-1,2,2-trifluoroethane
Concen: 10.124 ug/l
RT: 2.27 min Scan# 368
Delta R.T. -0.00 min
Lab File: VU033392.D
Acq: 24 Jul 2019 18:41

Tgt Ion	Ratio	Lower	Upper
101	100		
85	46.1	37.5	56.3
151	71.7	58.3	87.5



Abundance Ion 101.00 (100.70 to 101.70): V
Ion 85.00 (84.70 to 85.70): VU
Ion 151.00 (150.70 to 151.70): V





#9

1,1-Dichloroethene

Concen: 9.961 ug/l

RT: 2.27 min Scan# 367

Delta R.T. -0.00 min

Lab File: VU033392.D

Acq: 24 Jul 2019 18:41

Instrument :

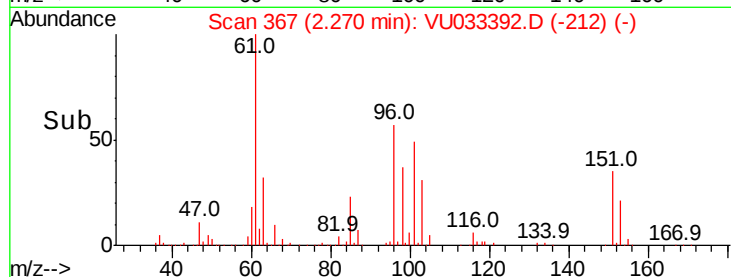
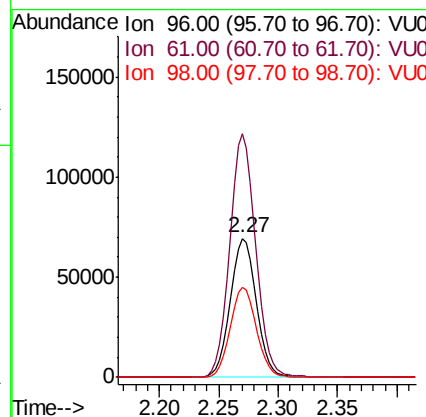
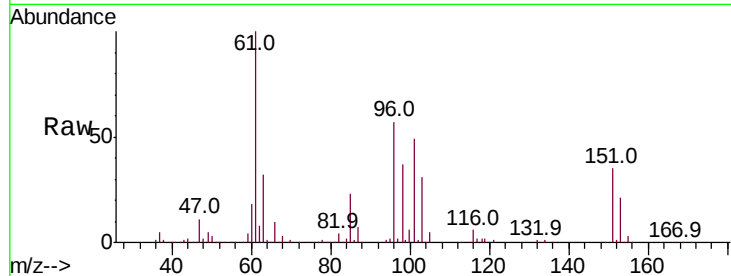
MSVOA_U

ClientSampleId :

VSTDCCC010EC

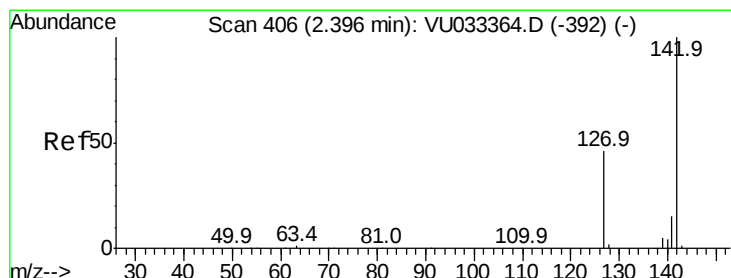
Tot Ion:	96	Resp:	106113
Ion Ratio	Lower	Upper	
96	100		
61	175.1	0.0	525.6
98	65.0	0.0	126.4

Manual Integrations
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7/25/2019 2:16:43 PM



#10

Iodomethane

Concen: 8.545 ug/l

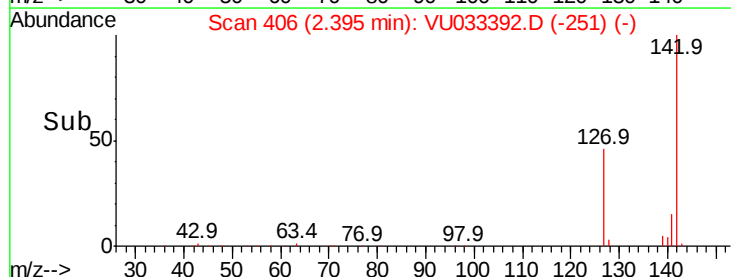
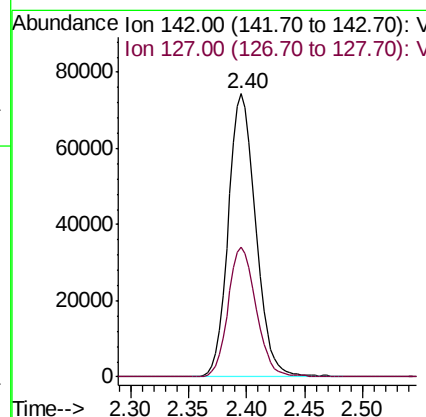
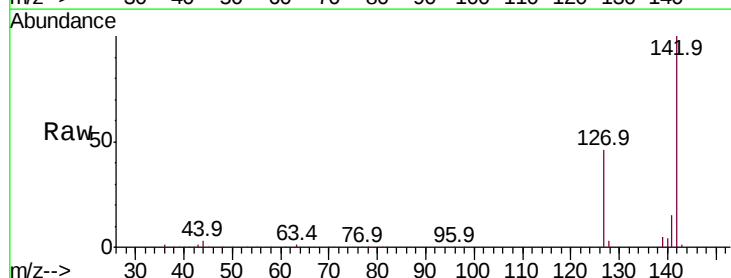
RT: 2.40 min Scan# 406

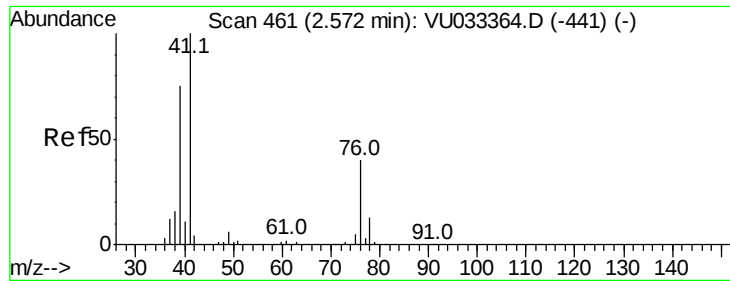
Delta R.T. -0.00 min

Lab File: VU033392.D

Acq: 24 Jul 2019 18:41

Tgt Ion:	142	Resp:	122331
Ion Ratio	Lower	Upper	
142	100		
127	46.7	37.8	56.6



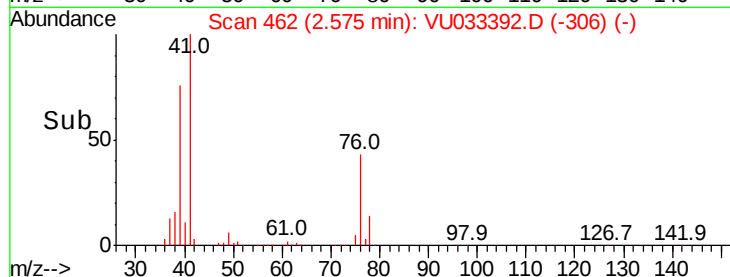
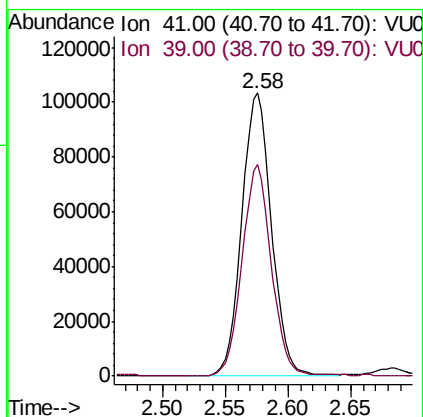
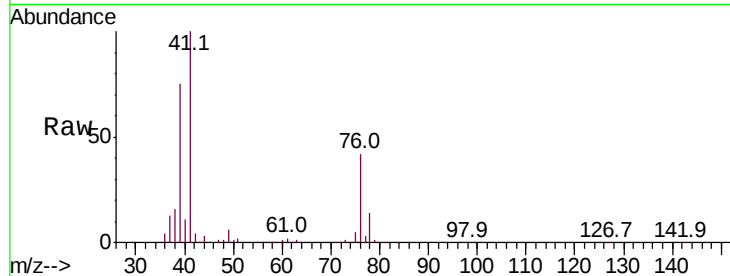


#11
Allvl Chloride
Concen: 9.634 ug/l
RT: 2.58 min Scan# 462
Delta R.T. 0.00 min
Lab File: VU033392.D
Acq: 24 Jul 2019 18:41

Instrument :
MSVOA_U
ClientSampleId :
VSTDCCC010EC

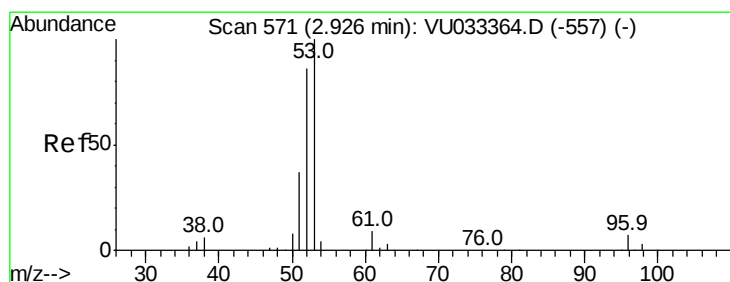
Tot Ion: 41 Resp: 169363
Ion Ratio Lower Upper
41 100
39 73.6 58.7 88.1

Manual Integrations
APPROVED



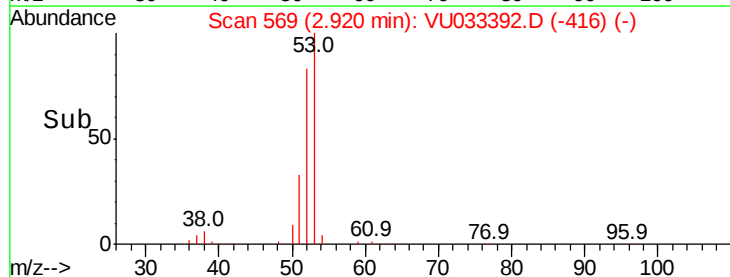
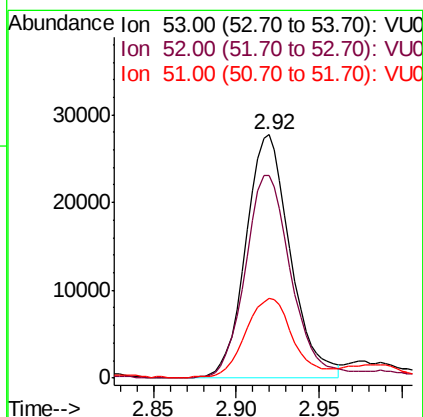
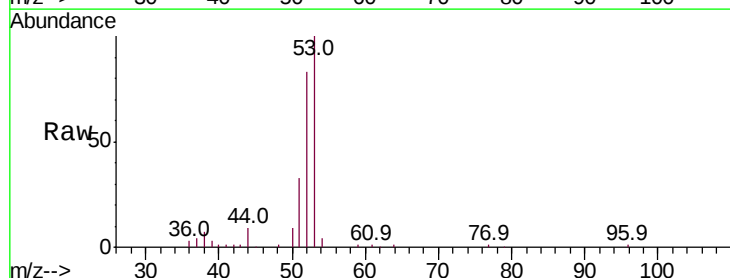
MMDadoda

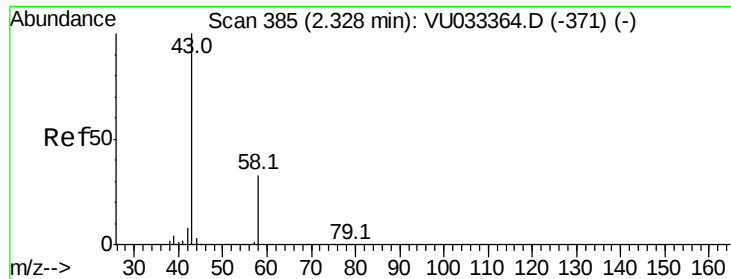
7/25/2019 2:16:43 PM



#12
Acrylonitrile
Concen: 17.448 ug/l
RT: 2.92 min Scan# 569
Delta R.T. -0.01 min
Lab File: VU033392.D
Acq: 24 Jul 2019 18:41

Tgt Ion: 53 Resp: 51886
Ion Ratio Lower Upper
53 100
52 86.9 69.8 104.8
51 35.2 29.1 43.7



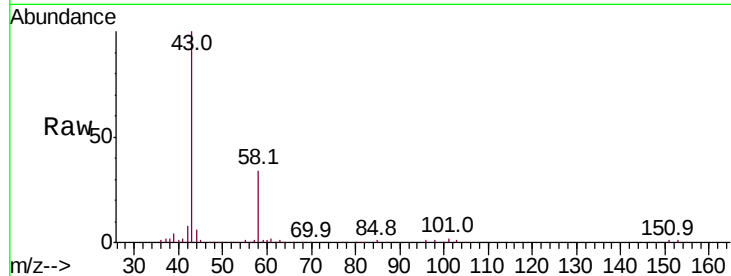


#13
Acetone
Concen: 44.060 ug/l
RT: 2.31 min Scan# 379
Delta R.T. -0.02 min
Lab File: VU033392.D
Acq: 24 Jul 2019 18:41

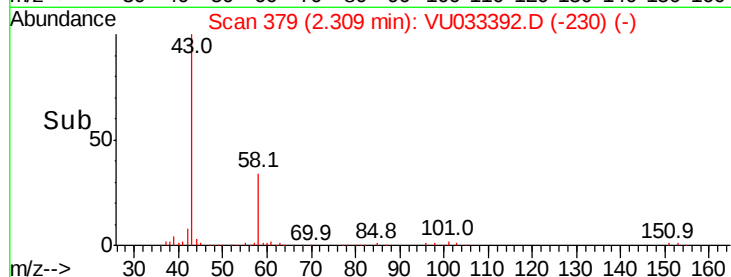
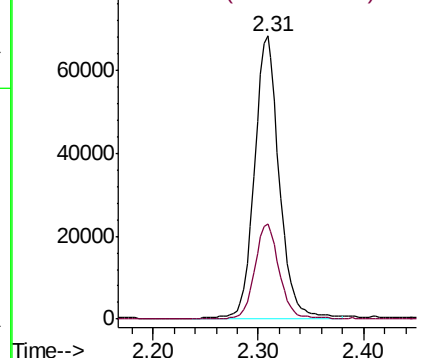
Instrument :
MSVOA_U
ClientSampleId :
VSTDCCC010EC

Tot Ion: 43 Resp: 111784
Ion Ratio Lower Upper
43 100
58 33.7 26.3 39.5

Manual Integrations
APPROVED

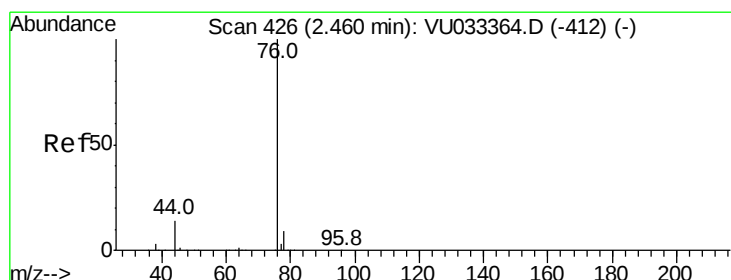


Abundance Ion 43.00 (42.70 to 43.70): VU033392.D (-371) (-)
Ion 58.00 (57.70 to 58.70): VU033392.D (-371) (-)



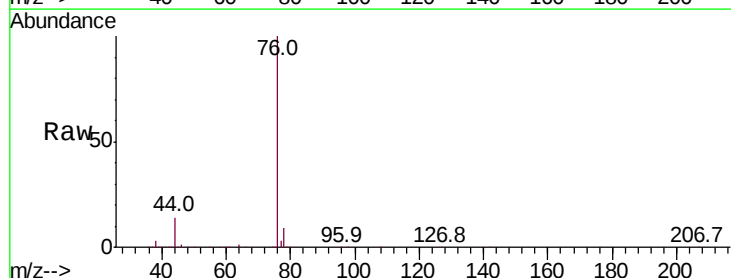
MMDadoda

7/25/2019 2:16:43 PM

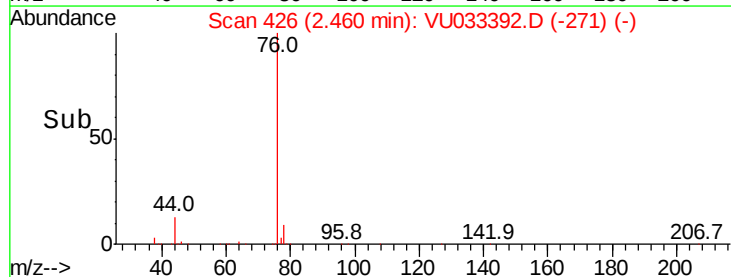
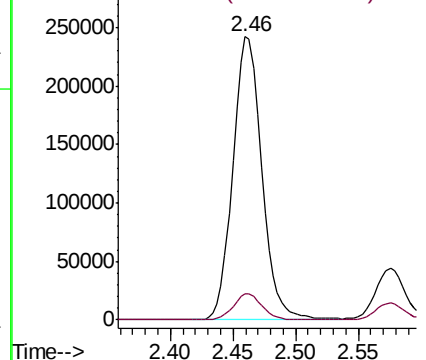


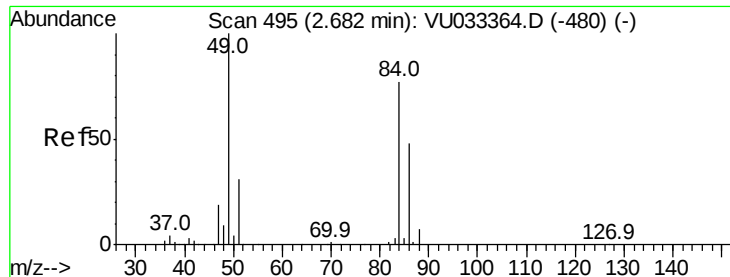
#14
Carbon Disulfide
Concen: 9.619 ug/l
RT: 2.46 min Scan# 426
Delta R.T. -0.00 min
Lab File: VU033392.D
Acq: 24 Jul 2019 18:41

Tgt Ion: 76 Resp: 389361
Ion Ratio Lower Upper
76 100
78 9.1 7.1 10.7



Abundance Ion 76.00 (75.70 to 76.70): VU033392.D (-412) (-)
Ion 78.00 (77.70 to 78.70): VU033392.D (-412) (-)



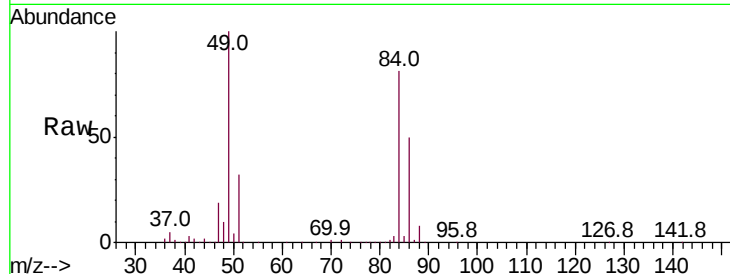


#15
Methylene Chloride
Concen: 9.103 ug/l
RT: 2.68 min Scan# 495
Delta R.T. -0.00 min
Lab File: VU033392.D
Acq: 24 Jul 2019 18:41

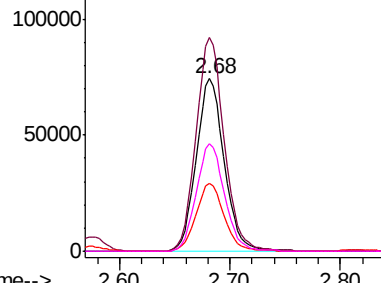
Instrument :
MSVOA_U
ClientSampleId :
VSTDCCC010EC

Tot Ion	Ratio	Lower	Upper
84	100		
49	123.8	103.5	155.3
51	39.3	0.0	80.4
86	62.1	50.1	75.1

Manual Integrations
APPROVED

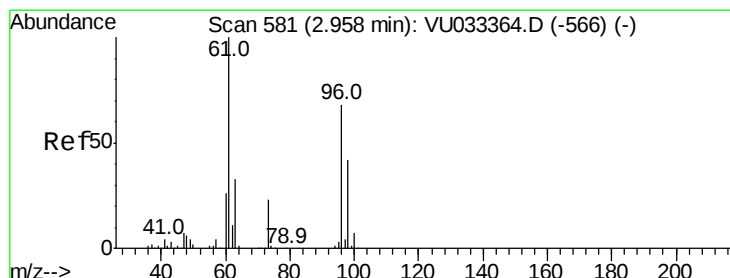
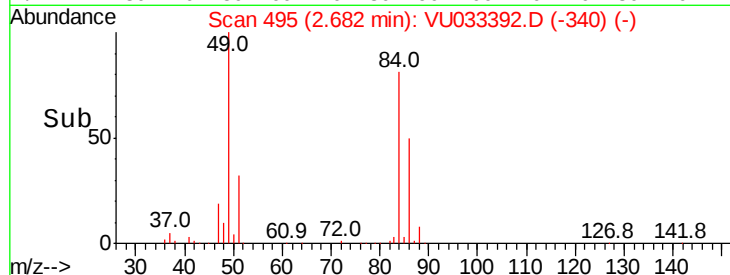


Abundance Ion 84.00 (83.70 to 84.70): VU0
Ion 49.00 (48.70 to 49.70): VU0
Ion 51.00 (50.70 to 51.70): VU0
Ion 86.00 (85.70 to 86.70): VU0



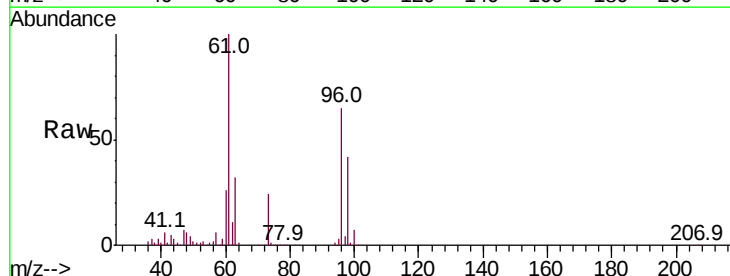
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7/25/2019 2:16:43 PM

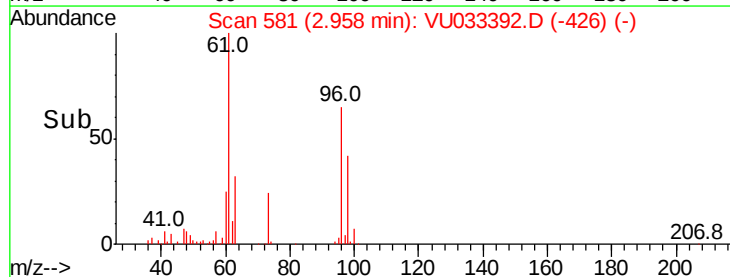
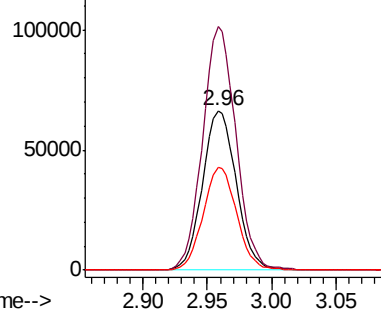


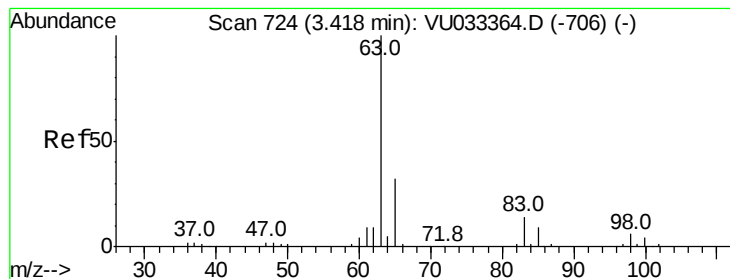
#16
trans-1,2-Dichloroethene
Concen: 9.543 ug/l
RT: 2.96 min Scan# 581
Delta R.T. -0.00 min
Lab File: VU033392.D
Acq: 24 Jul 2019 18:41

Tgt Ion	Ratio	Lower	Upper
96	100		
61	153.0	118.0	177.0
98	64.3	49.4	74.2



Abundance Ion 96.00 (95.70 to 96.70): VU0
Ion 61.00 (60.70 to 61.70): VU0
Ion 98.00 (97.70 to 98.70): VU0





#17

1,1-Dichloroethane

Concen: 10.255 ug/l

RT: 3.42 min Scan# 724

Delta R.T. -0.00 min

Lab File: VU033392.D

Acq: 24 Jul 2019 18:41

Instrument :

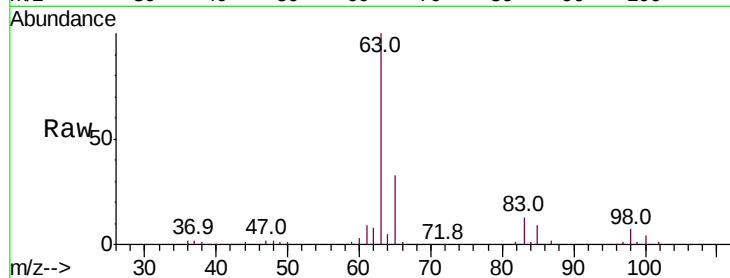
MSVOA_U

ClientSampleId :

VSTDCCC010EC

Tot Ion:	63	Resp:	174115
Ion Ratio	Lower	Upper	
63	100		
98	6.7	3.2	9.6
100	3.9	2.1	6.2

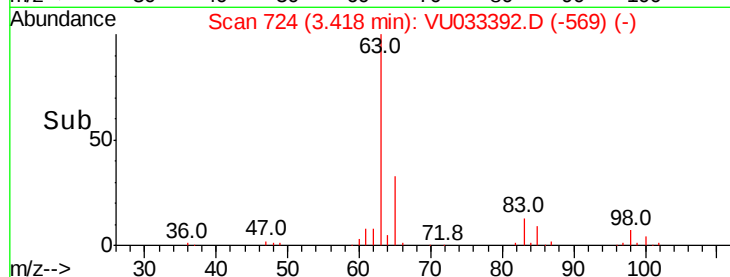
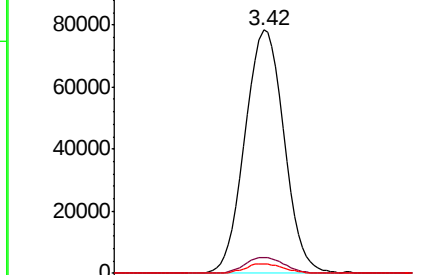
Manual Integrations
APPROVED



Abundance Ion 63.00 (62.70 to 63.70): VU033364.D (-706) (-)

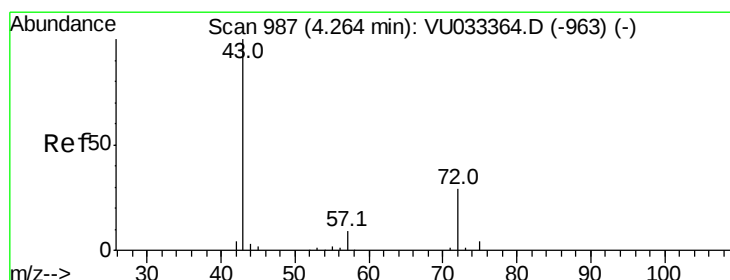
Ion 98.00 (97.70 to 98.70): VU033364.D (-706) (-)

Ion 100.00 (99.70 to 100.70): VU033364.D (-706) (-)



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7/25/2019 2:16:43 PM



#18

2-Butanone

Concen: 50.458 ug/l

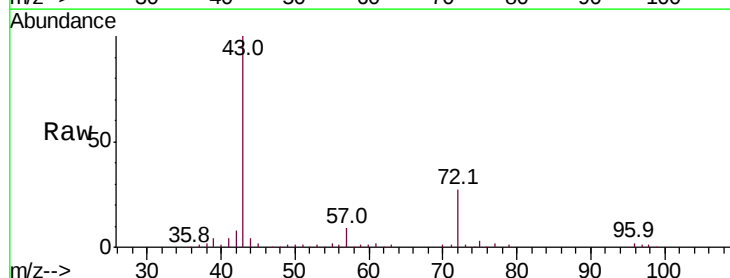
RT: 4.25 min Scan# 983

Delta R.T. -0.01 min

Lab File: VU033392.D

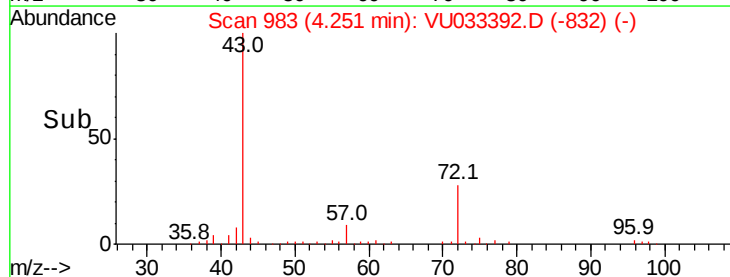
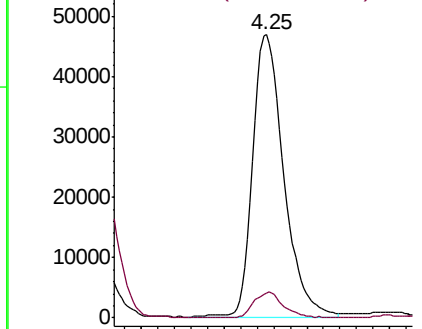
Acq: 24 Jul 2019 18:41

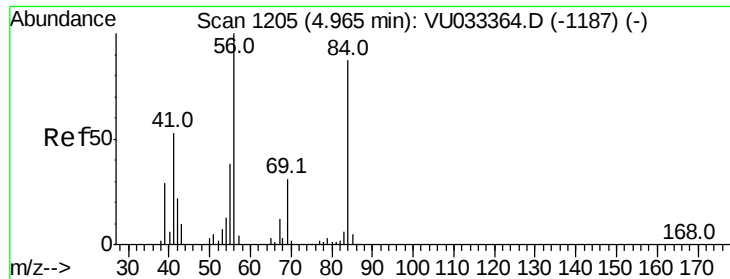
Tgt Ion:	43	Resp:	122188
Ion Ratio	Lower	Upper	
43	100		
57	8.6	0.0	17.0



Abundance Ion 43.00 (42.70 to 43.70): VU033364.D (-963) (-)

Ion 57.00 (56.70 to 57.70): VU033364.D (-963) (-)



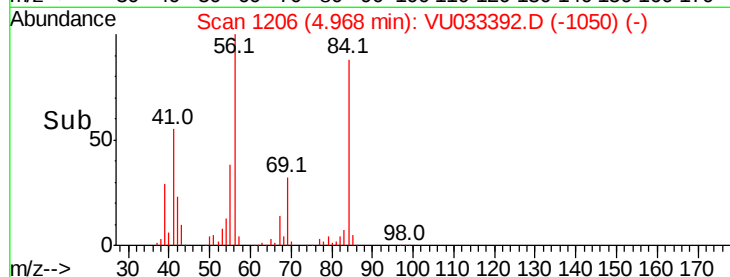
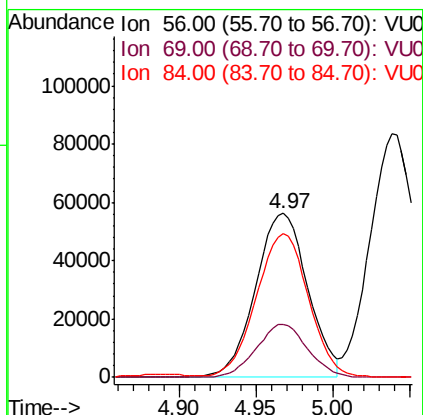
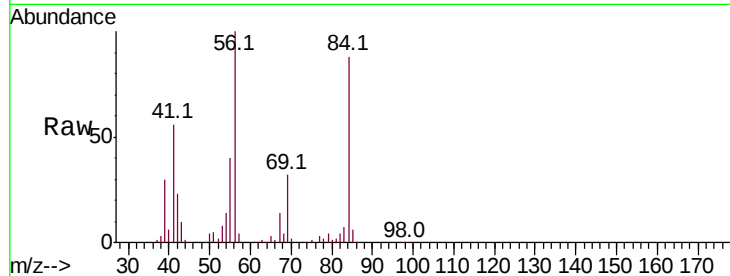


#19
Cyclohexane
Concen: 10.700 ug/l m
RT: 4.97 min Scan# 1206
Delta R.T. 0.00 min
Lab File: VU033392.D
Acq: 24 Jul 2019 18:41

Instrument :
MSVOA_U
ClientSampleId :
VSTDCCC010EC

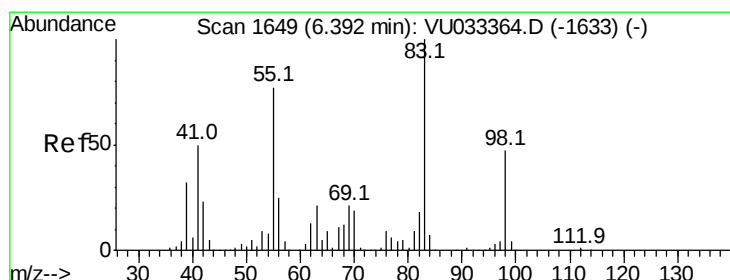
Tot Ion	Ratio	Lower	Upper
56	100		
69	31.7	25.0	37.4
84	86.5	69.8	104.6

Manual Integrations
APPROVED



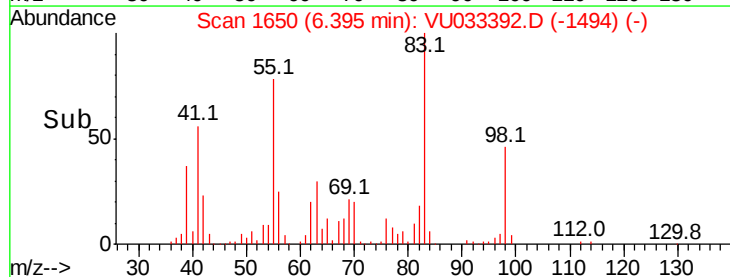
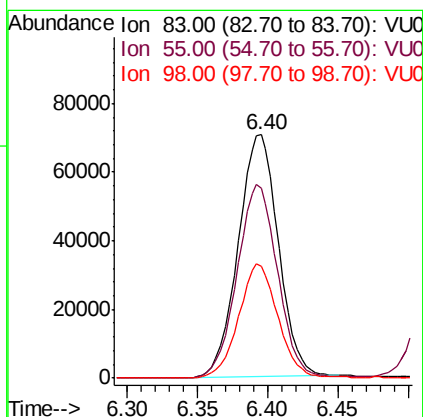
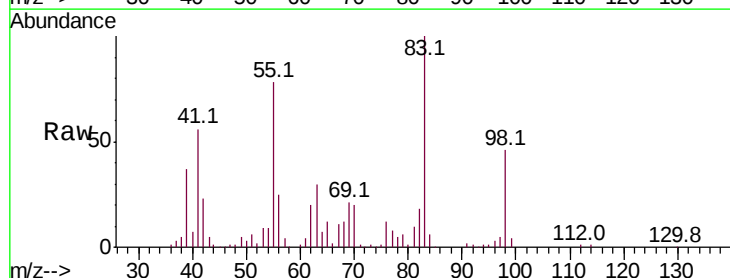
MMDadoda

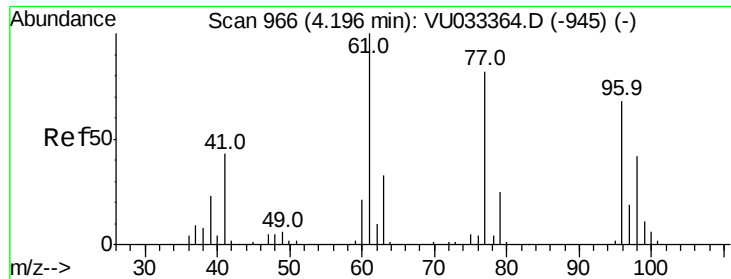
7/25/2019 2:16:43 PM



#20
Methylcyclohexane
Concen: 11.245 ug/l
RT: 6.40 min Scan# 1650
Delta R.T. 0.00 min
Lab File: VU033392.D
Acq: 24 Jul 2019 18:41

Tgt Ion	Ratio	Lower	Upper
83	100		
55	79.2	62.3	93.5
98	45.3	37.4	56.0



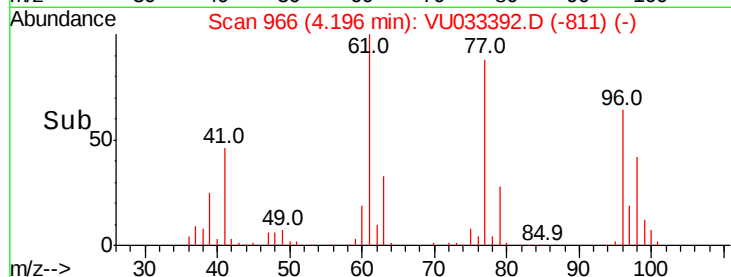
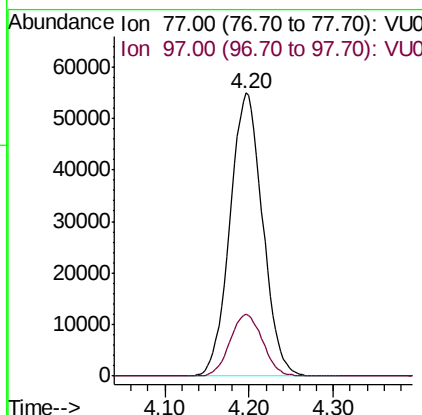
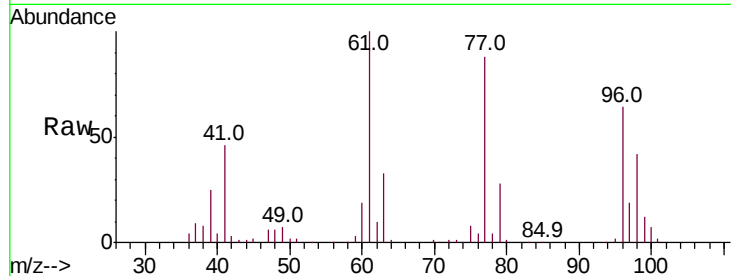


#21
2,2-Dichloropropane
Concen: 10.284 ug/l
RT: 4.20 min Scan# 966
Delta R.T. -0.00 min
Lab File: VU033392.D
Acq: 24 Jul 2019 18:41

Instrument :
MSVOA_U
ClientSampleId :
VSTDCCC010EC

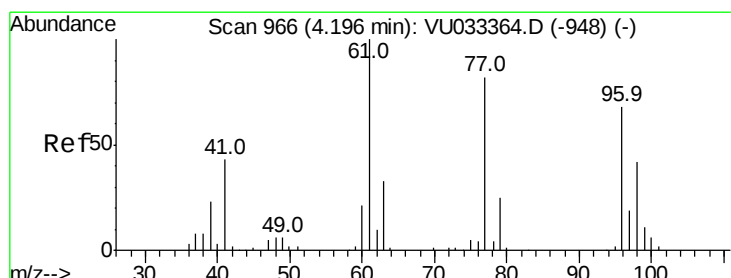
Tot Ion: 77 Resp: 147948
Ion Ratio Lower Upper
77 100
97 21.8 17.8 26.8

Manual Integrations
APPROVED



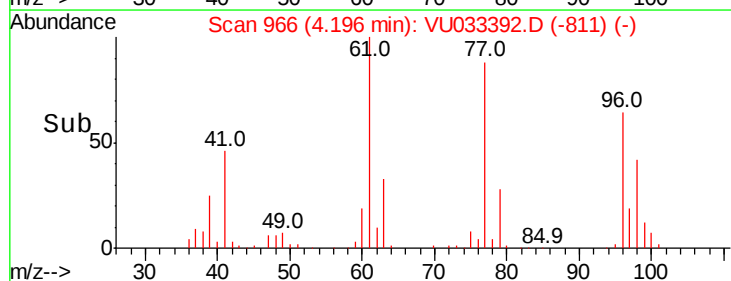
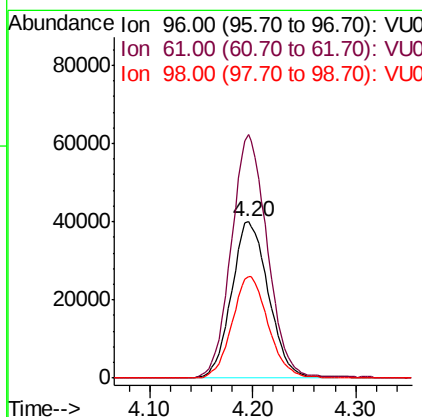
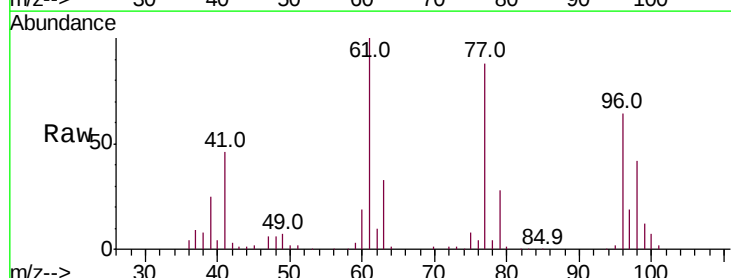
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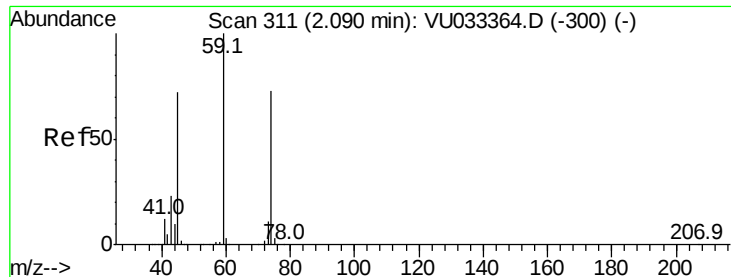
7/25/2019 2:16:43 PM



#22
cis-1,2-Dichloroethene
Concen: 10.431 ug/l
RT: 4.20 min Scan# 966
Delta R.T. -0.00 min
Lab File: VU033392.D
Acq: 24 Jul 2019 18:41

Tgt Ion: 96 Resp: 100008
Ion Ratio Lower Upper
96 100
61 151.2 0.0 376.3
98 63.6 31.9 95.9



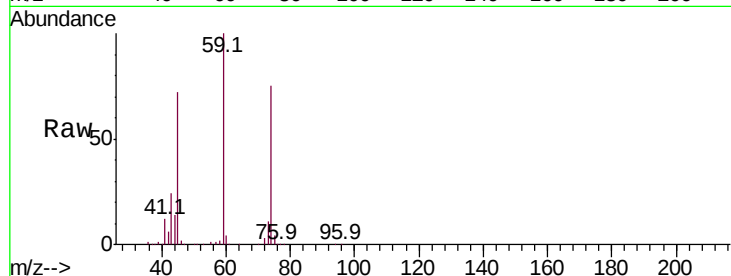


#23
Diethyl Ether
Concen: 9.276 ug/l
RT: 2.09 min Scan# 311
Delta R.T. -0.00 min
Lab File: VU033392.D
Acq: 24 Jul 2019 18:41

Instrument :
MSVOA_U
ClientSampleId :
VSTDCCC010EC

Tot Ion	59	Ratio	Lower	Upper
59	100			
45	71.3	57.6	86.4	
74	75.1	57.8	86.6	

Manual Integrations
APPROVED

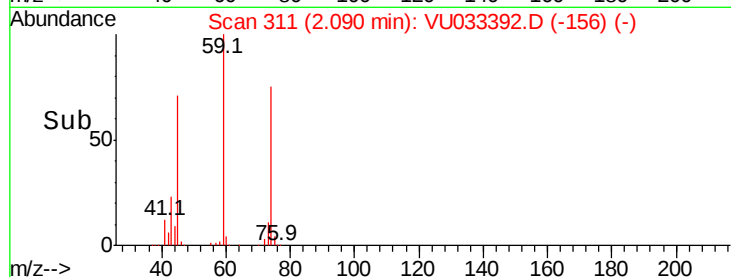
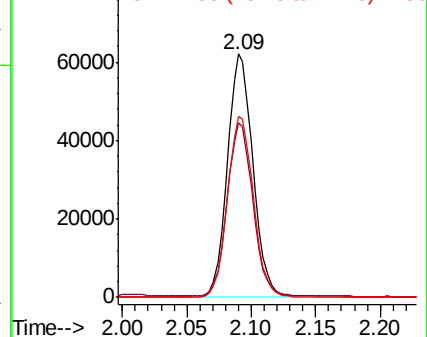


Abundance

Ion 59.00 (58.70 to 59.70): VU0

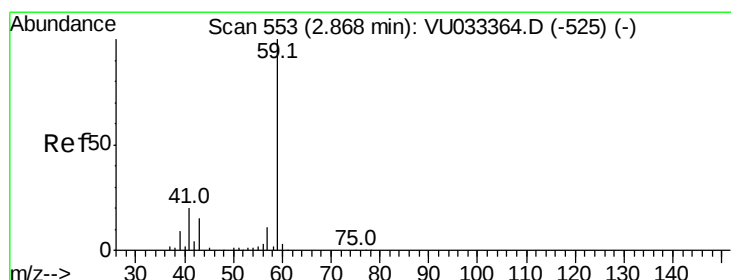
Ion 45.00 (44.70 to 45.70): VU0

Ion 74.00 (73.70 to 74.70): VU0



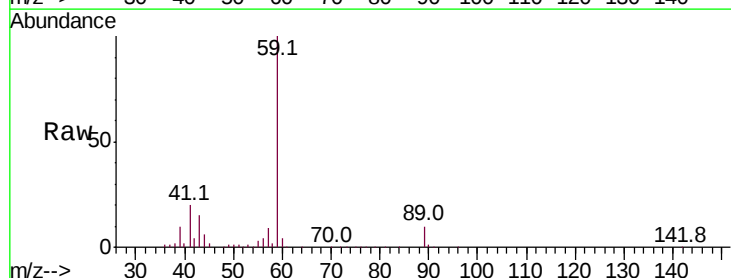
MMDadoda

7/25/2019 2:16:43 PM



#24
tert-Butyl Alcohol
Concen: 81.832 ug/l
RT: 2.82 min Scan# 537
Delta R.T. -0.05 min
Lab File: VU033392.D
Acq: 24 Jul 2019 18:41

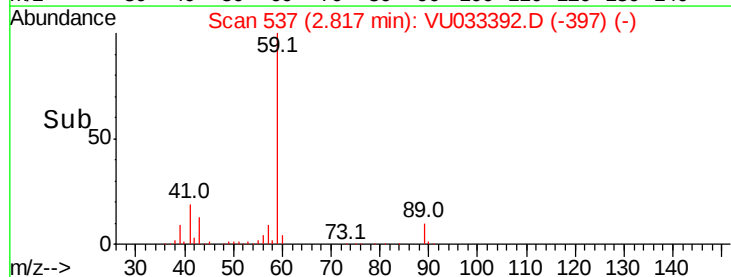
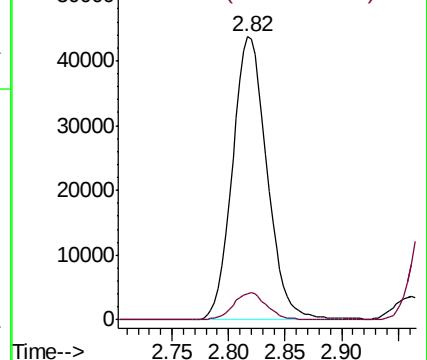
Tgt Ion	59	Ratio	Lower	Upper
59	100			
57	9.5	7.8	11.8	

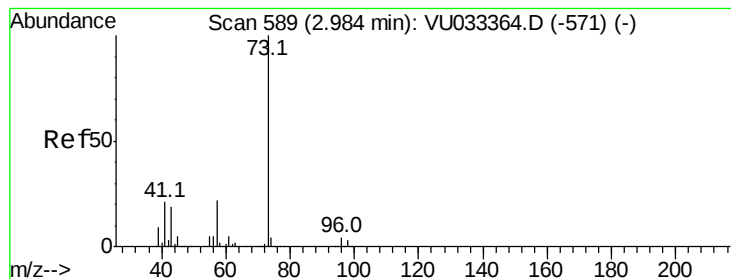


Abundance

Ion 59.00 (58.70 to 59.70): VU0

Ion 57.00 (56.70 to 57.70): VU0





#25

Methvl tert-Butvl Ether

Concen: 9.400 ug/l

RT: 2.98 min Scan# 589

Delta R.T. -0.00 min

Lab File: VU033392.D

Acq: 24 Jul 2019 18:41

Tot Ion: 73 Resp: 288331

Ion Ratio Lower Upper

73 100

43 19.6 16.6 24.8

Instrument :

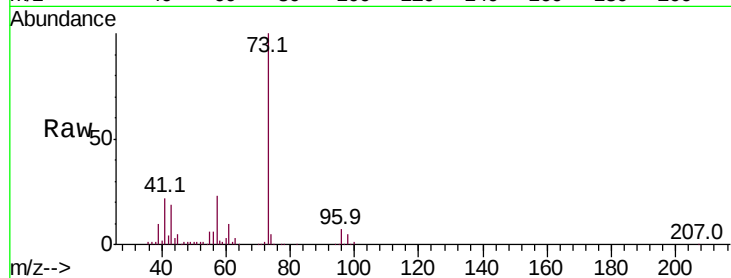
MSVOA_U

ClientSampleId :

VSTDCCC010EC

Manual Integrations

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Abundance Ion 73.00 (72.70 to 73.70): VU033364.D (-571) (-)

Ion 43.00 (42.70 to 43.70): VU033364.D (-571) (-)

2.98

150000

100000

50000

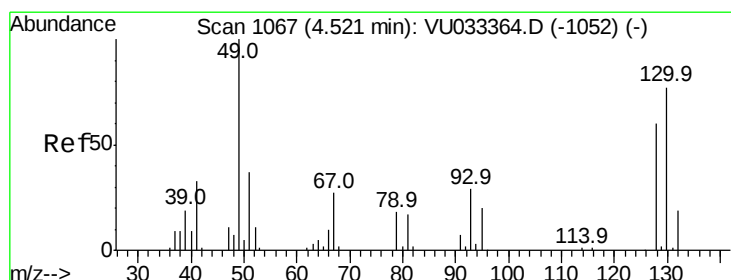
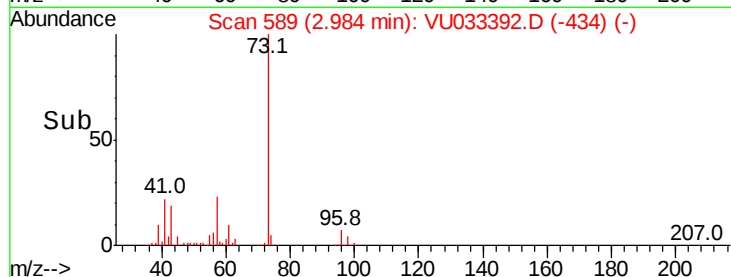
0

2.90 2.95 3.00 3.05

Time-->

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7/25/2019 2:16:43 PM



#26

Bromochloromethane

Concen: 10.244 ug/l

RT: 4.52 min Scan# 1067

Delta R.T. -0.00 min

Lab File: VU033392.D

Acq: 24 Jul 2019 18:41

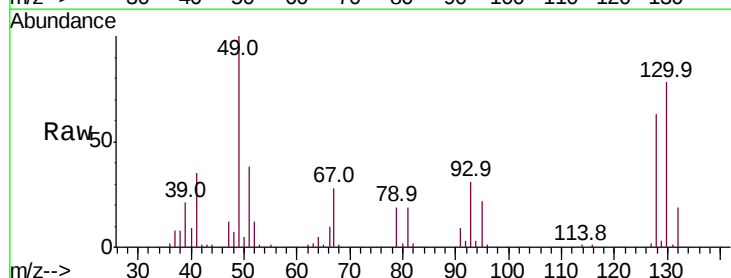
Tgt Ion:128 Resp: 43188

Ion Ratio Lower Upper

128 100

49 160.7 0.0 333.4

130 126.5 103.4 155.2



Abundance Ion 128.00 (127.70 to 128.70): VU033364.D (-1052) (-)

Ion 49.00 (48.70 to 49.70): VU033364.D (-1052) (-)

Ion 130.00 (129.70 to 130.70): VU033364.D (-1052) (-)

4.52

40000

30000

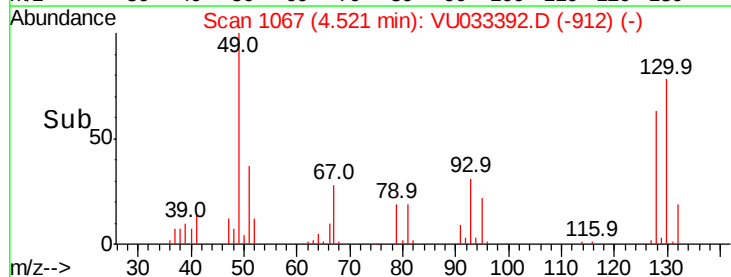
20000

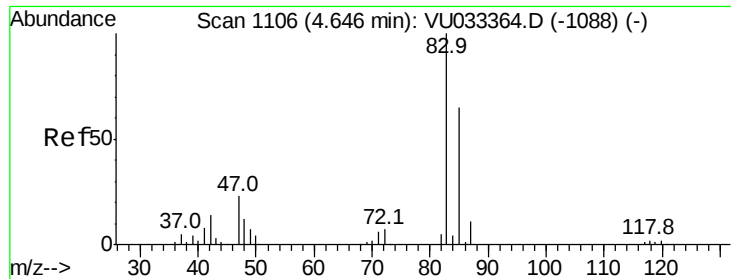
10000

0

4.45 4.50 4.55 4.60

Time-->



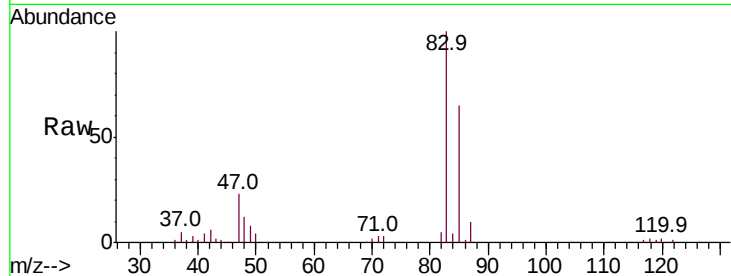


#27
Chloroform
Concen: 9.398 ug/l
RT: 4.65 min Scan# 1107
Delta R.T. 0.00 min
Lab File: VU033392.D
Acq: 24 Jul 2019 18:41

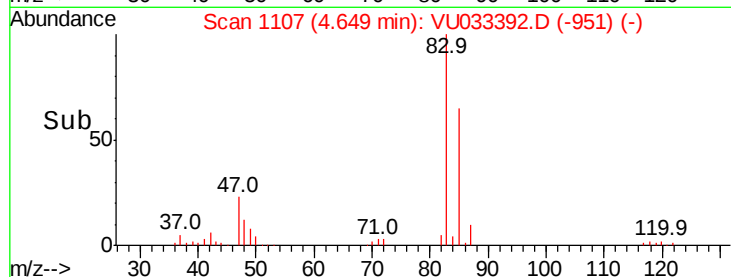
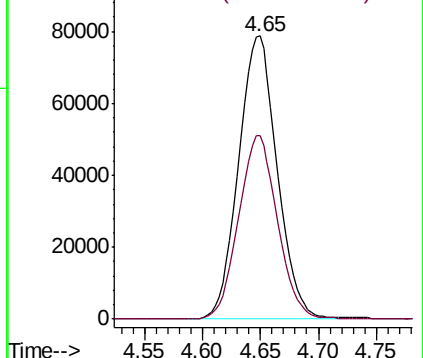
Instrument :
MSVOA_U
ClientSampleId :
VSTDCCC010EC

Tot Ion	83	Resp	182353
Ion Ratio	100	Lower	Upper
85	64.7	0.0	129.8

Manual Integrations
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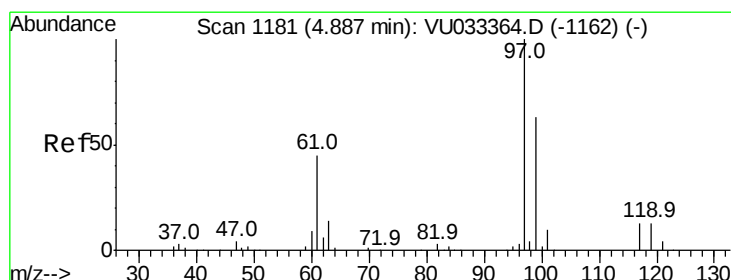


Abundance Ion 83.00 (82.70 to 83.70): VU033392.D (-951) (-)



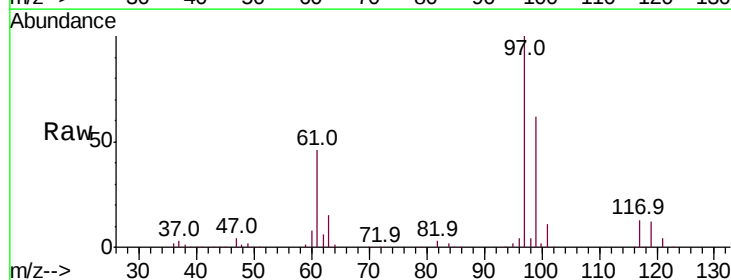
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7/25/2019 2:16:43 PM

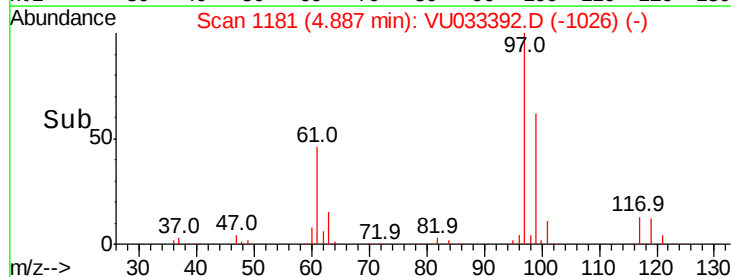
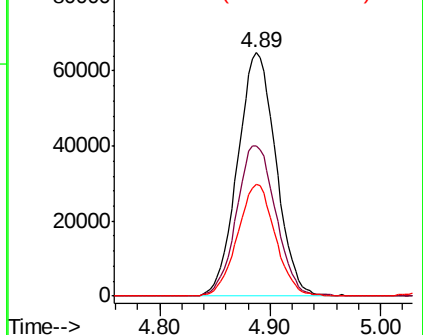


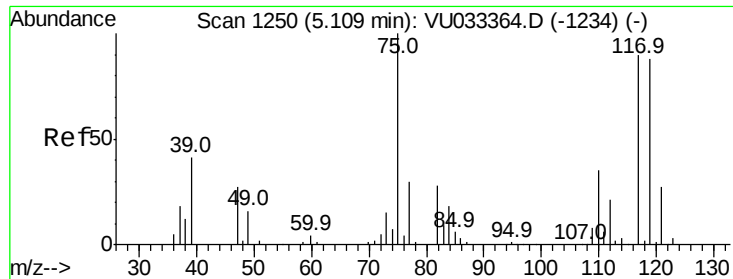
#28
1,1,1-Trichloroethane
Concen: 10.391 ug/l
RT: 4.89 min Scan# 1181
Delta R.T. -0.00 min
Lab File: VU033392.D
Acq: 24 Jul 2019 18:41

Tgt Ion	97	Resp	156110
Ion Ratio	100	Lower	Upper
99	63.2	31.9	95.5
61	45.4	22.7	68.0



Abundance Ion 97.00 (96.70 to 97.70): VU033392.D (-1026) (-)



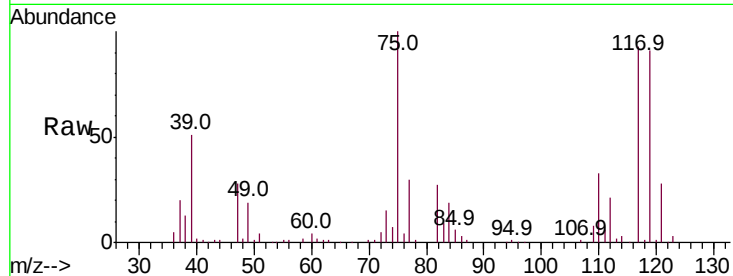


#29
 1,1-Dichloropropene
 Concen: 10.654 ug/l
 RT: 5.11 min Scan# 1250
 Delta R.T. -0.00 min
 Lab File: VU033392.D
 Acq: 24 Jul 2019 18:41

Instrument :
 MSVOA_U
 ClientSampleId :
 VSTDCCC010EC

Tot Ion	Ratio	Lower	Upper
75	100		
110	34.4	17.5	52.6
77	30.4	25.1	37.7

Manual Integrations
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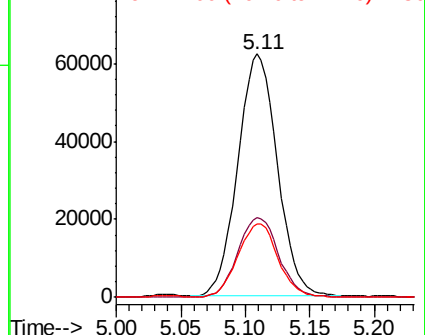


Abundance

Ion 75.00 (74.70 to 75.70): VU0

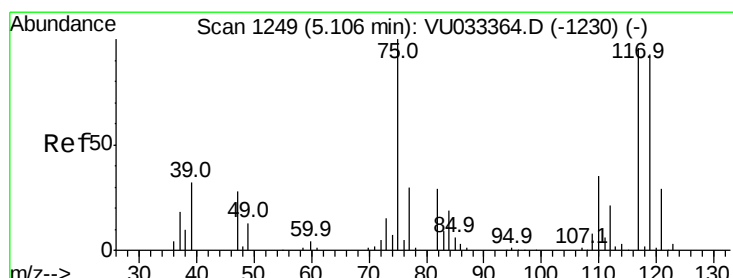
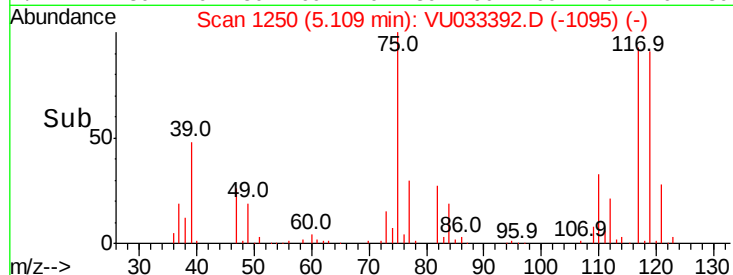
Ion 110.00 (109.70 to 110.70): V

Ion 77.00 (76.70 to 77.70): VU0



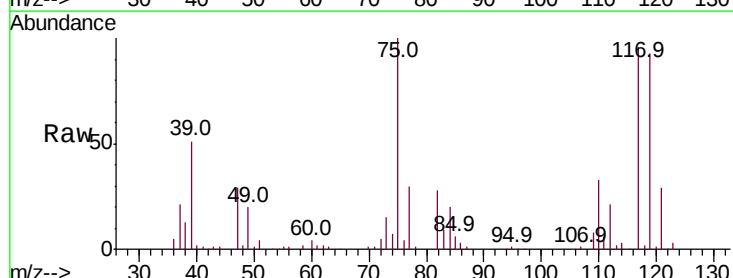
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7/25/2019 2:16:43 PM



#30
 Carbon Tetrachloride
 Concen: 10.367 ug/l
 RT: 5.11 min Scan# 1249
 Delta R.T. -0.00 min
 Lab File: VU033392.D
 Acq: 24 Jul 2019 18:41

Tgt Ion	Ratio	Lower	Upper
117	100		
119	97.0	77.9	116.9
121	30.5	24.0	36.0

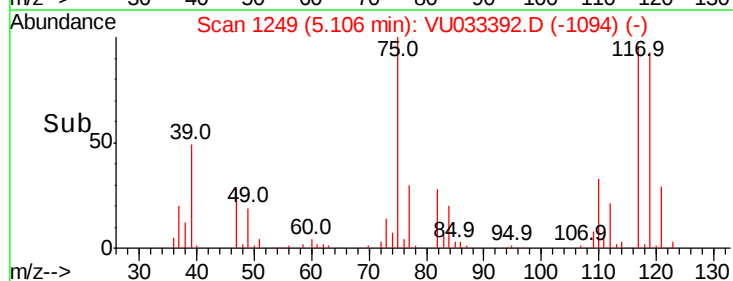
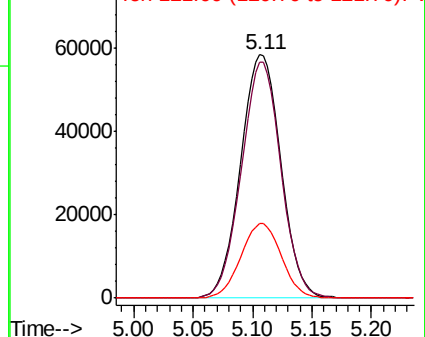


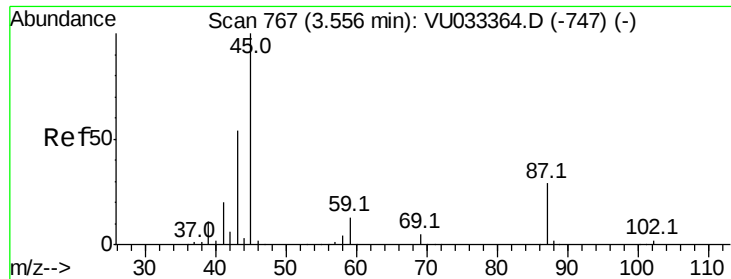
Abundance

Ion 117.00 (116.70 to 117.70): V

Ion 119.00 (118.70 to 119.70): V

Ion 121.00 (120.70 to 121.70): V





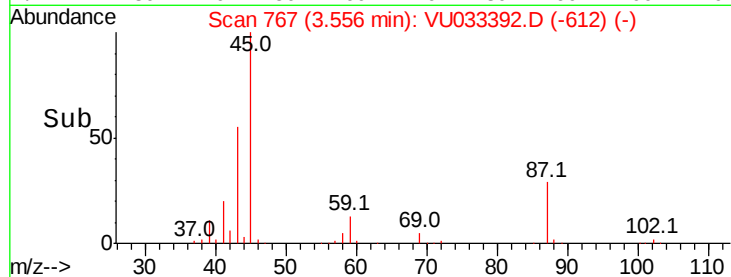
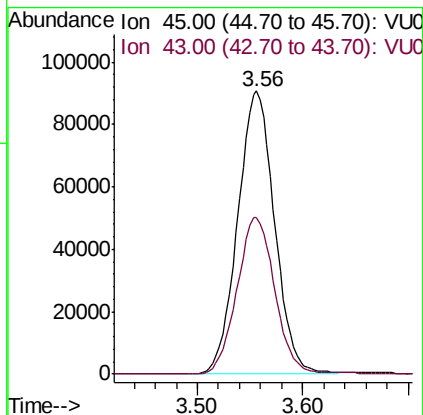
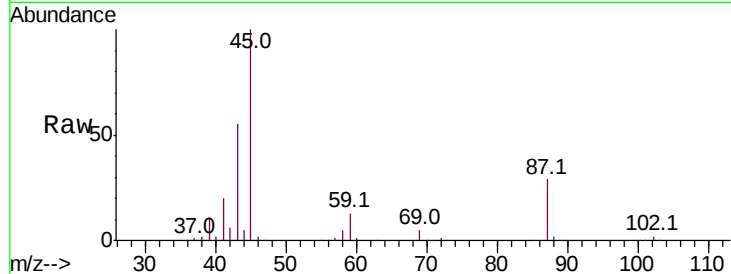
#31

Isopropyl Ether
 Concen: 10.277 ug/l
 RT: 3.56 min Scan# 767
 Delta R.T. -0.00 min
 Lab File: VU033392.D
 Acq: 24 Jul 2019 18:41

Instrument :
 MSVOA_U
 ClientSampleId :
 VSTDCCC010EC

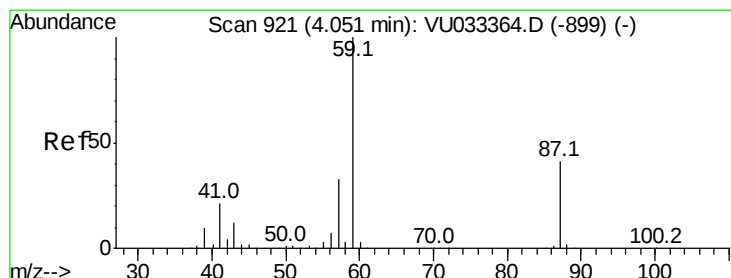
Tot Ion	45	Ratio	Lower	Upper
45	100			
43	57.1	27.8	83.3	

Manual Integrations
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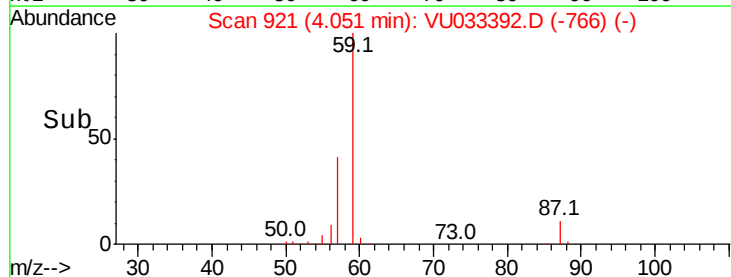
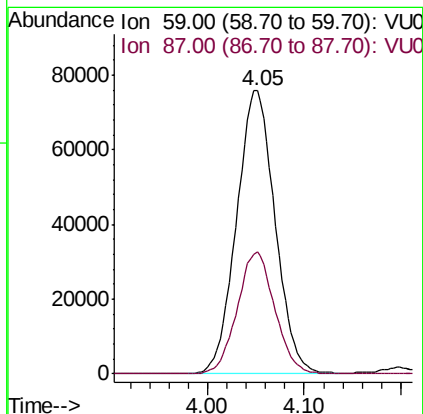
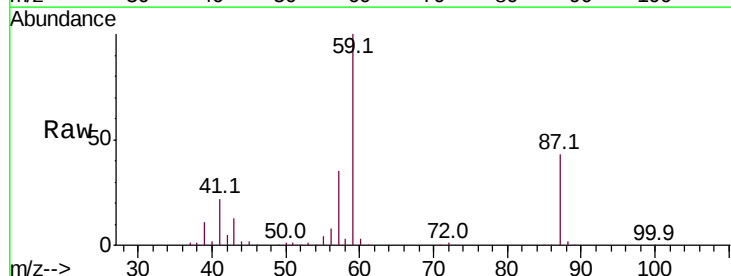
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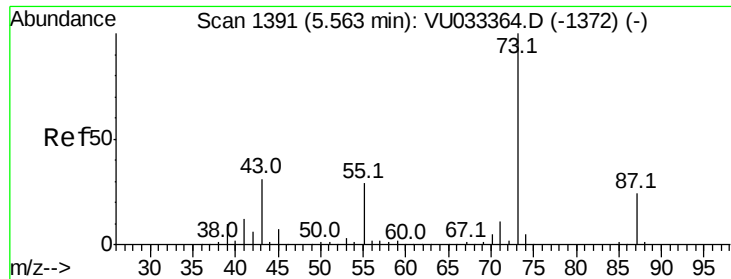


#32

Ethyl-t-butyl ether
 Concen: 10.104 ug/l
 RT: 4.05 min Scan# 921
 Delta R.T. -0.00 min
 Lab File: VU033392.D
 Acq: 24 Jul 2019 18:41

Tgt Ion	59	Ratio	Lower	Upper
59	100			
87	41.9	33.8	50.6	



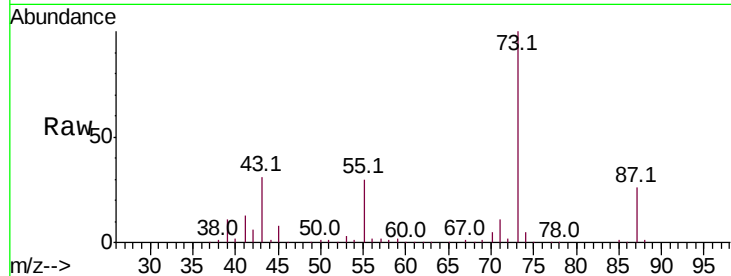


#33
Tert-Butyl methyl ether
Concen: 10.543 ug/l
RT: 5.56 min Scan# 1391
Delta R.T. -0.00 min
Lab File: VU033392.D
Acq: 24 Jul 2019 18:41

Instrument :
MSVOA_U
ClientSampleId :
VSTDCCC010EC

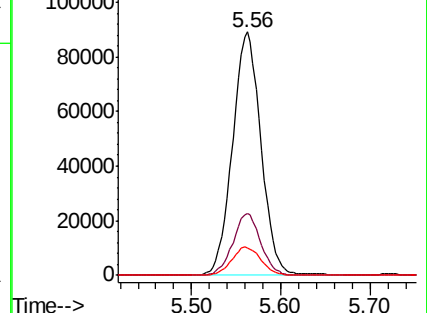
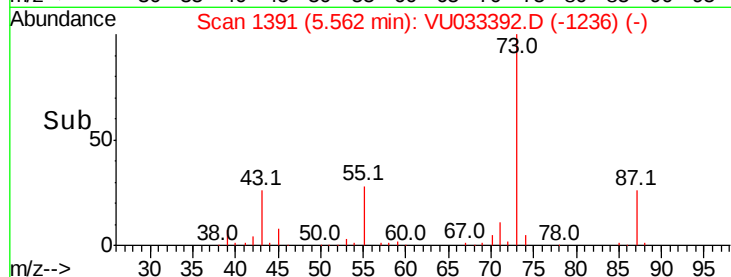
Tot Ion	Ratio	Lower	Upper
73	100		
87	24.7	18.9	28.3
71	12.0	9.3	13.9

Manual Integrations
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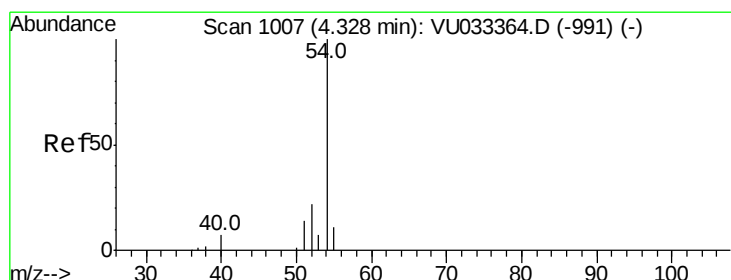
Abundance

Ion 73.00 (72.70 to 73.70): VU033392.D (-1236) (-)



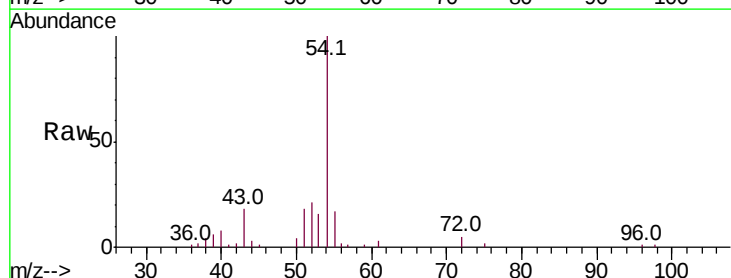
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7/25/2019 2:16:43 PM



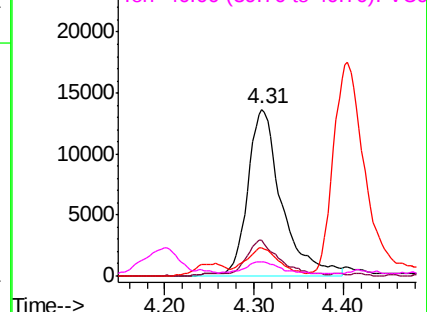
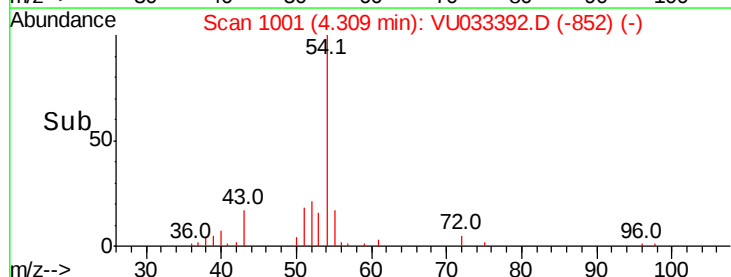
#34
Propionitrile
Concen: 52.114 ug/l
RT: 4.31 min Scan# 1001
Delta R.T. -0.02 min
Lab File: VU033392.D
Acq: 24 Jul 2019 18:41

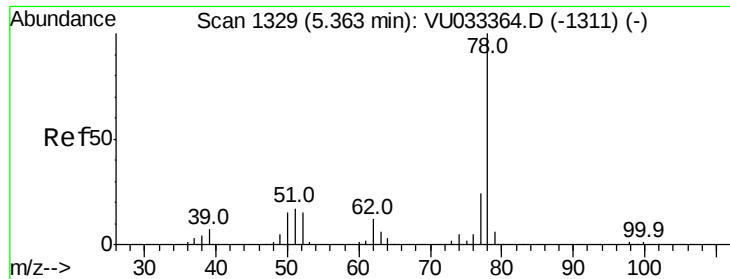
Tgt Ion	Ratio	Lower	Upper
54	100		
52	19.2	17.1	25.7
55	13.4	11.6	17.4
40	6.0	3.5	5.3



Abundance

Ion 54.00 (53.70 to 54.70): VU033392.D (-852) (-)



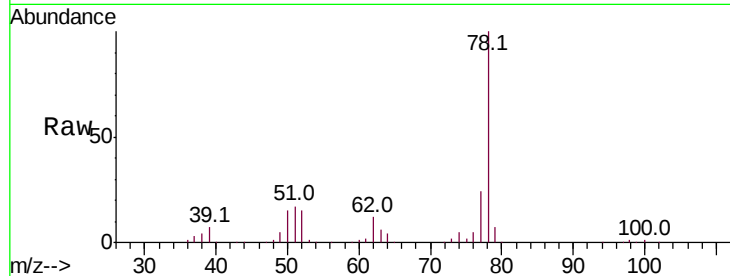


#35
Benzene
Concen: 10.625 ug/l
RT: 5.36 min Scan# 1329
Delta R.T. -0.00 min
Lab File: VU033392.D
Acq: 24 Jul 2019 18:41

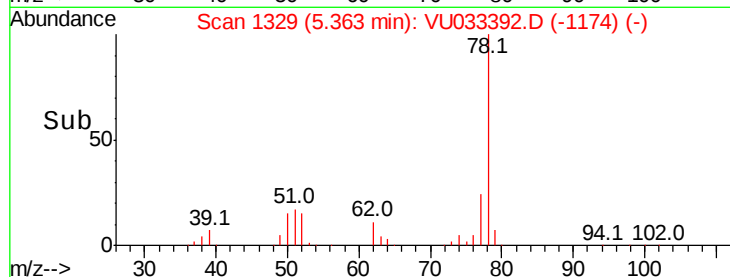
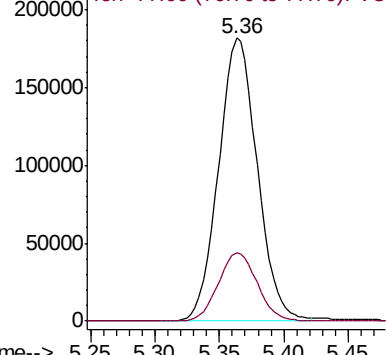
Instrument :
MSVOA_U
ClientSampleId :
VSTDCCC010EC

Tot Ion	Ratio	Lower	Upper
78	100		
77	24.2	19.4	29.2

Manual Integrations
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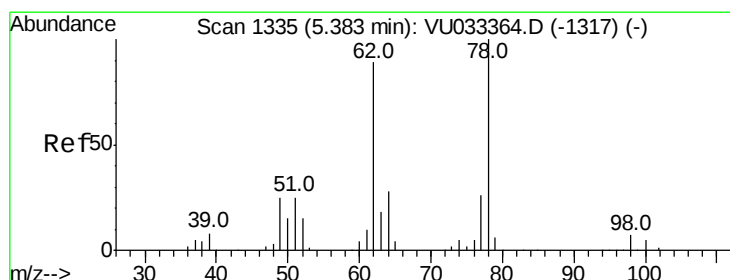


Abundance Ion 78.10 (77.80 to 78.80): VU033392.D (-1174) (-)



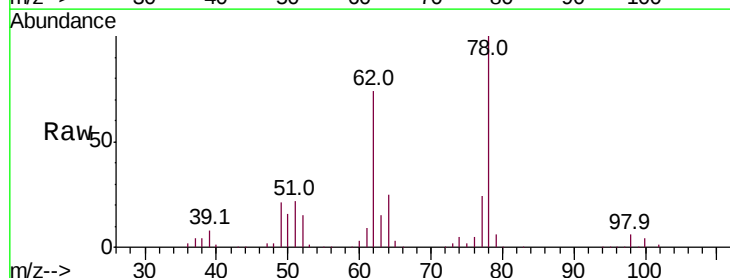
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7/25/2019 2:16:43 PM

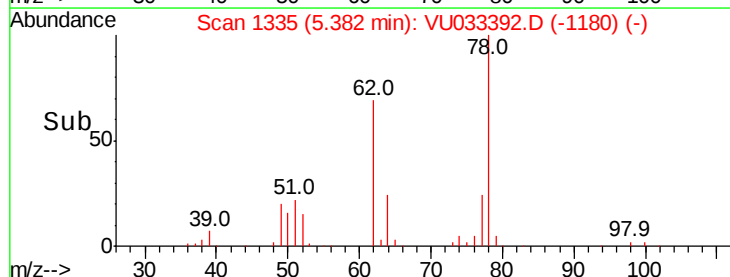
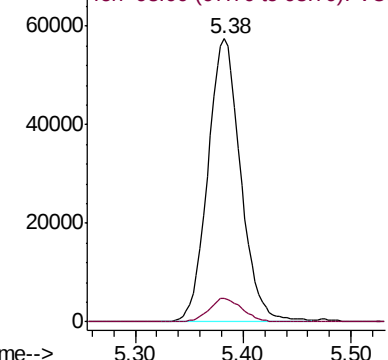


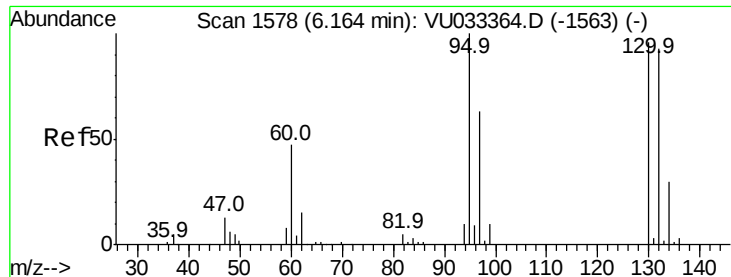
#36
1,2-Dichloroethane
Concen: 10.234 ug/l
RT: 5.38 min Scan# 1335
Delta R.T. -0.00 min
Lab File: VU033392.D
Acq: 24 Jul 2019 18:41

Tgt Ion	Ratio	Lower	Upper
62	100		
98	8.4	6.5	9.7



Abundance Ion 62.00 (61.70 to 62.70): VU033392.D (-1180) (-)





#37

Trichloroethene

Concen: 10.274 ug/l

RT: 6.16 min Scan# 1578

Delta R.T. -0.00 min

Lab File: VU033392.D

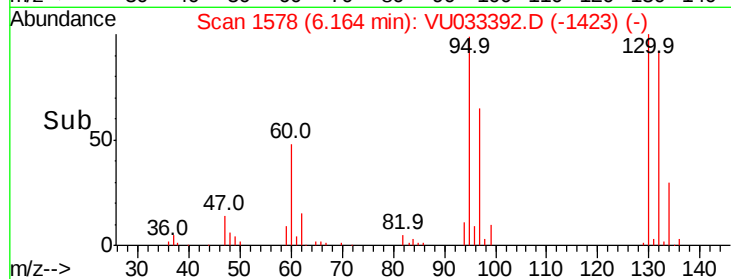
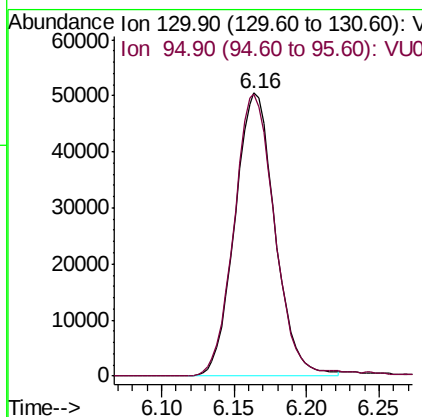
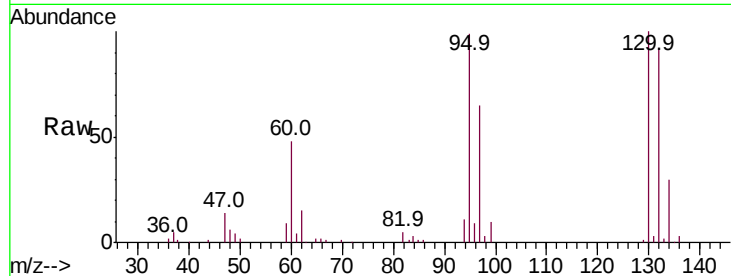
Acq: 24 Jul 2019 18:41

Instrument :
MSVOA_U
ClientSampleId :
VSTDCCC010EC

Tot Ion:130 Resp: 97081

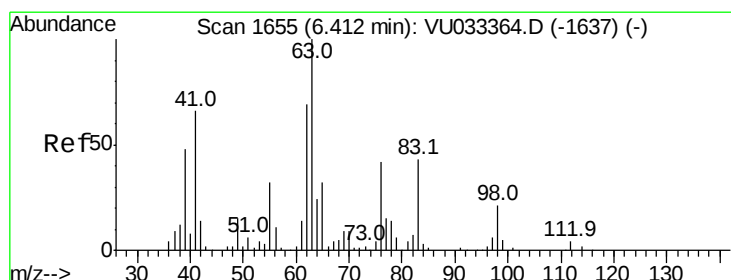
Ion	Ratio	Lower	Upper
130	100		
95	99.4	83.4	125.0

Manual Integrations
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7/25/2019 2:16:43 PM



#38

1,2-Dichloropropane

Concen: 10.362 ug/l

RT: 6.41 min Scan# 1655

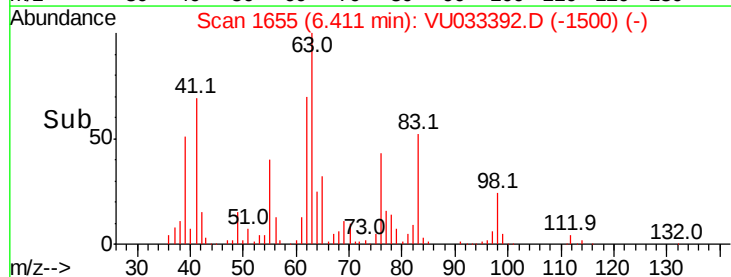
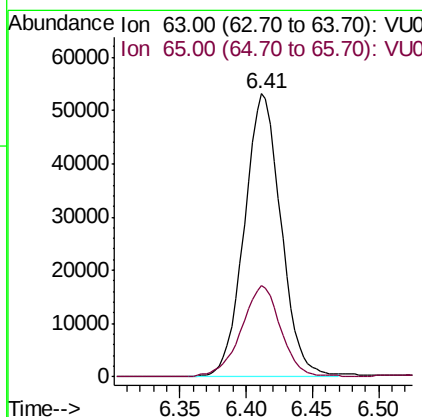
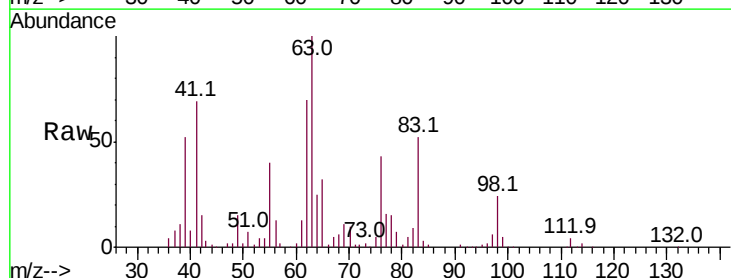
Delta R.T. -0.00 min

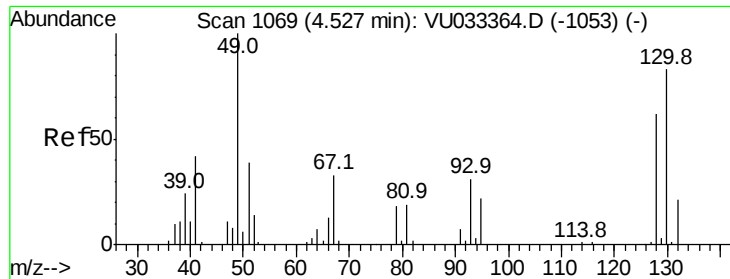
Lab File: VU033392.D

Acq: 24 Jul 2019 18:41

Tgt Ion: 63 Resp: 102355

Ion	Ratio	Lower	Upper
63	100		
65	32.1	25.7	38.5





#39

Methacrylonitrile

Concen: 9.947 ug/l

RT: 4.52 min Scan# 1068

Delta R.T. -0.00 min

Lab File: VU033392.D

Acq: 24 Jul 2019 18:41

Instrument :

MSVOA_U

ClientSampleId :

VSTDCCC010EC

Tot Ion: 41 Resp: 27428

Ion Ratio Lower Upper

41 100

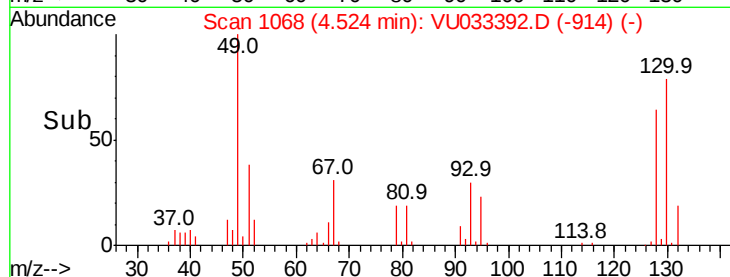
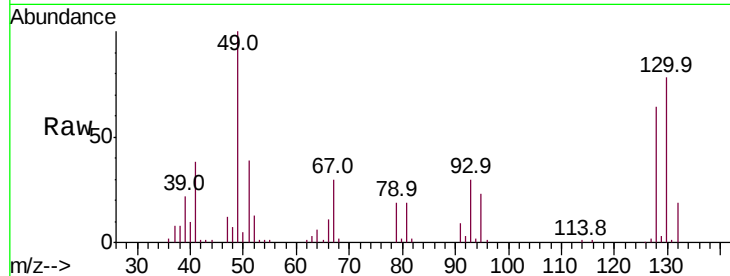
67 78.8 64.4 96.6

39 55.5 46.8 70.2

52 34.5 28.6 42.8

Manual Integrations

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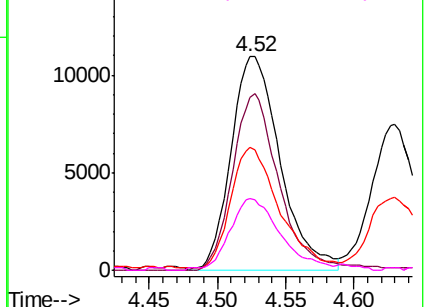


Abundance Ion 41.00 (40.70 to 41.70): VU0

Ion 67.00 (66.70 to 67.70): VU0

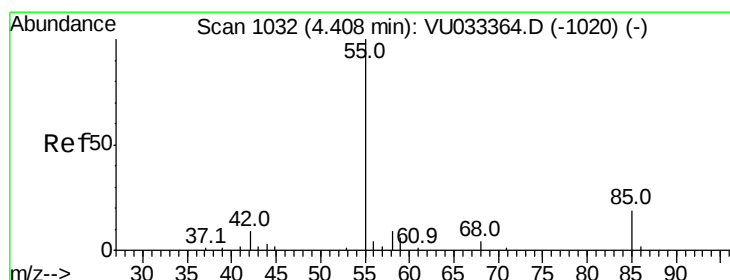
Ion 39.00 (38.70 to 39.70): VU0

Ion 52.00 (51.70 to 52.70): VU0



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7/25/2019 2:16:43 PM



#40

Methyl acrylate

Concen: 9.849 ug/l

RT: 4.40 min Scan# 1031

Delta R.T. -0.00 min

Lab File: VU033392.D

Acq: 24 Jul 2019 18:41

Tgt Ion: 55 Resp: 42253

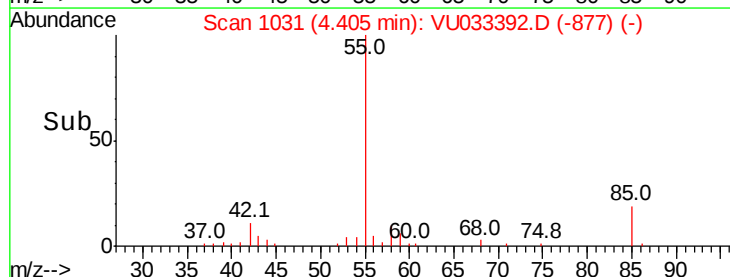
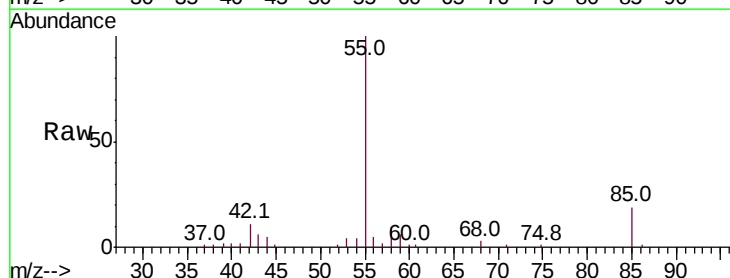
Ion Ratio Lower Upper

55 100

85 17.3 14.8 22.2

58 9.8 7.1 10.7

42 11.1 7.0 10.6#

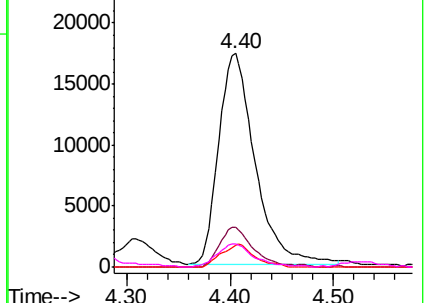


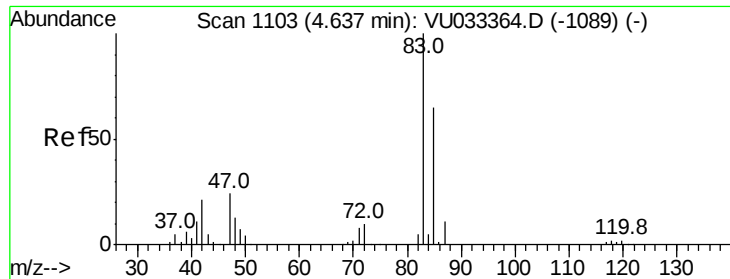
Abundance Ion 55.00 (54.70 to 55.70): VU0

Ion 85.00 (84.70 to 85.70): VU0

Ion 58.00 (57.70 to 58.70): VU0

Ion 42.00 (41.70 to 42.70): VU0





#41

Tetrahydrofuran

Concen: 19.922 ug/l

RT: 4.63 min Scan# 1100

Delta R.T. -0.01 min

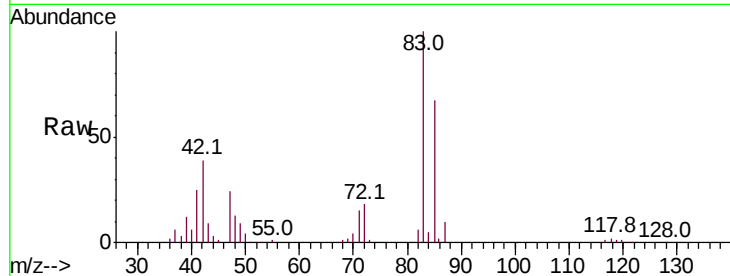
Lab File: VU033392.D

Acq: 24 Jul 2019 18:41

Instrument :
MSVOA_U
ClientSampleId :
VSTDCCC010EC

Tot Ion:	42	Resp:	27546
Ion	Ratio	Lower	Upper
42	100		
72	48.8	38.7	58.1
71	42.1	34.6	52.0

Manual Integrations
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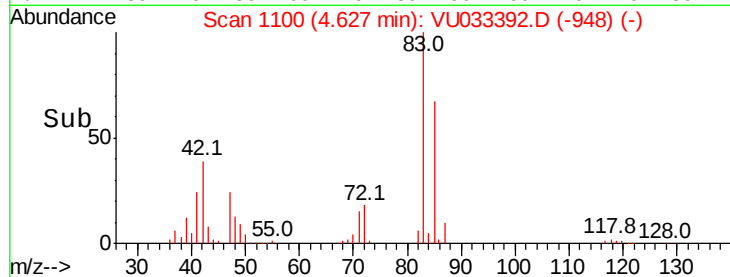
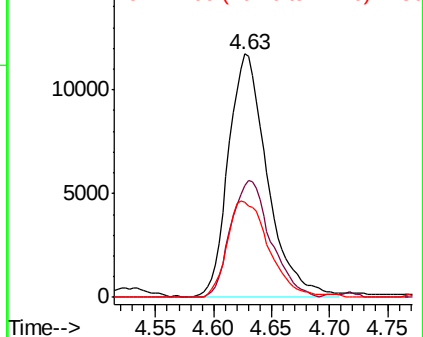


Abundance

Ion 42.00 (41.70 to 42.70): VU033392.D (-948) (-)

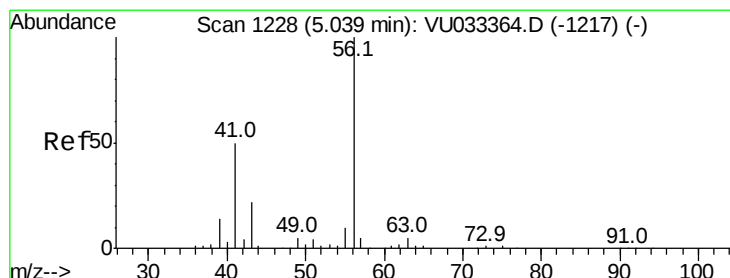
Ion 72.00 (71.70 to 72.70): VU033392.D (-948) (-)

Ion 71.00 (70.70 to 71.70): VU033392.D (-948) (-)



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7/25/2019 2:16:43 PM



#42

1-Chlorobutane

Concen: 10.958 ug/l

RT: 5.04 min Scan# 1228

Delta R.T. -0.00 min

Lab File: VU033392.D

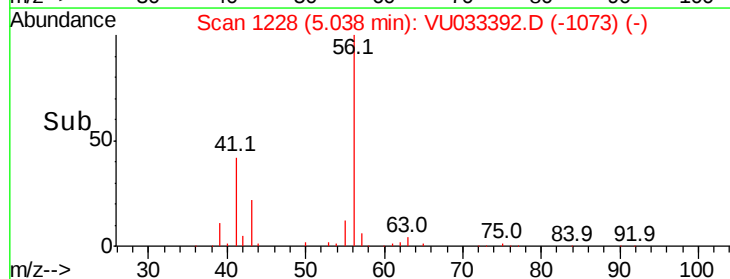
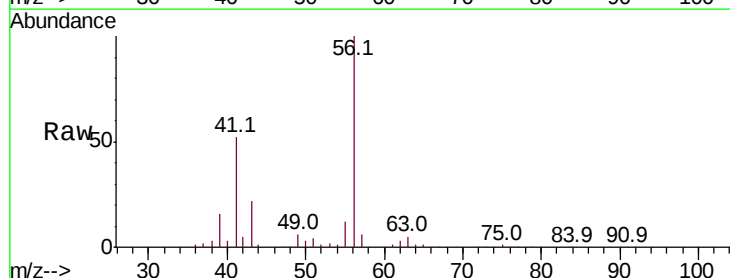
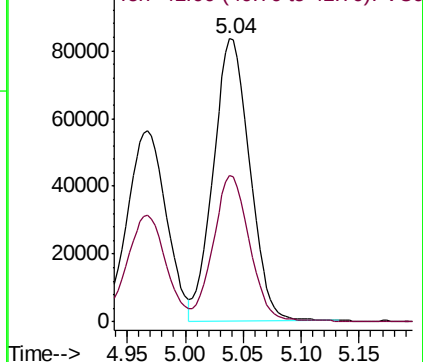
Acq: 24 Jul 2019 18:41

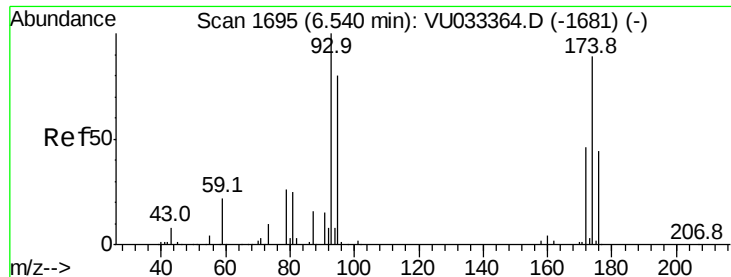
Tgt Ion:	56	Resp:	182058
Ion	Ratio	Lower	Upper
56	100		
41	50.6	25.7	77.1

Abundance

Ion 56.00 (55.70 to 56.70): VU033392.D (-1073) (-)

Ion 41.00 (40.70 to 41.70): VU033392.D (-1073) (-)





#43

Dibromomethane

Concen: 10.231 ug/l

RT: 6.54 min Scan# 1695

Delta R.T. -0.00 min

Lab File: VU033392.D

Acq: 24 Jul 2019 18:41

Instrument :

MSVOA_U

ClientSampleId :

VSTDCCC010EC

Tot Ion: 93 Resp: 55946

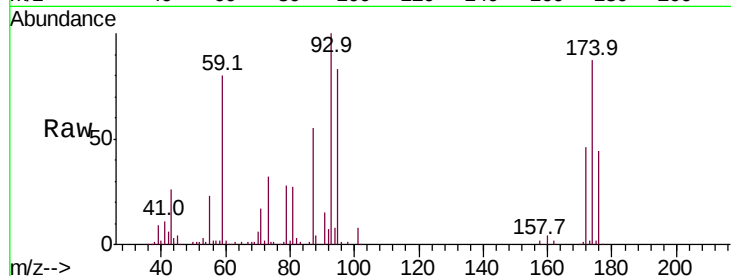
Ion Ratio Lower Upper

93 100

95 81.7 65.3 97.9

174 89.6 70.7 106.1

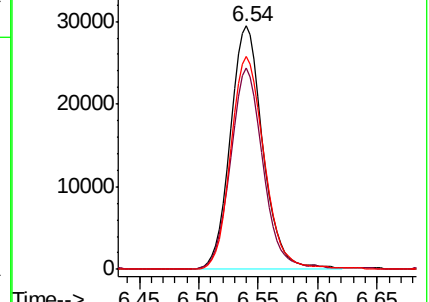
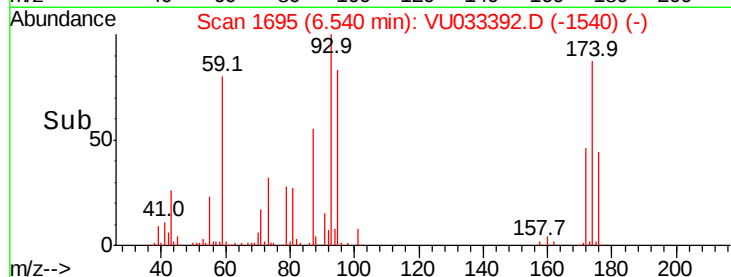
Manual Integrations
APPROVED



Abundance Ion 93.00 (92.70 to 93.70): VU033392.D (-1540) (-)

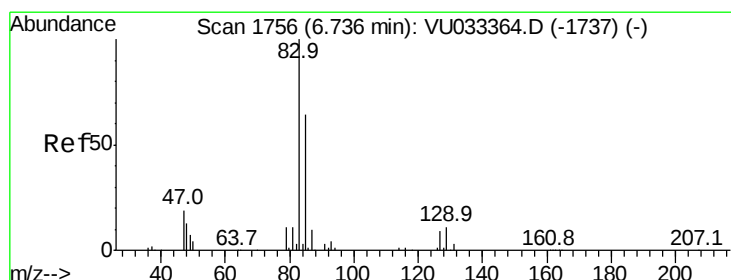
Ion 95.00 (94.70 to 95.70): VU033392.D (-1540) (-)

Ion 174.00 (173.70 to 174.70): VU033392.D (-1540) (-)



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7/25/2019 2:16:43 PM



#44

Bromodichloromethane

Concen: 10.244 ug/l

RT: 6.74 min Scan# 1756

Delta R.T. -0.00 min

Lab File: VU033392.D

Acq: 24 Jul 2019 18:41

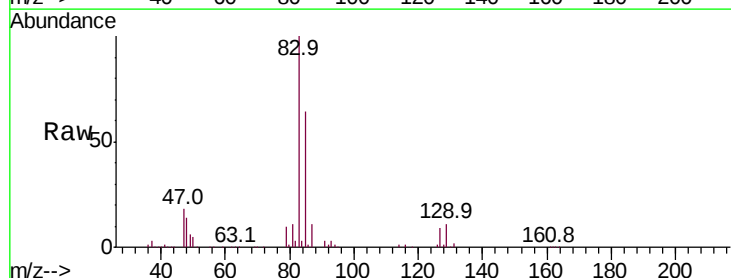
Tgt Ion: 83 Resp: 135063

Ion Ratio Lower Upper

83 100

85 64.5 51.1 76.7

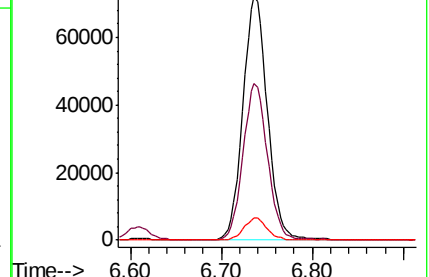
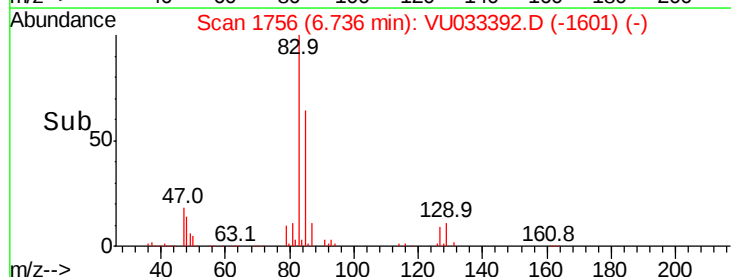
127 9.1 7.2 10.8

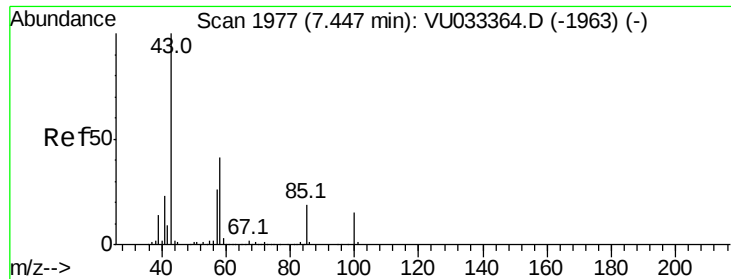


Abundance Ion 83.00 (82.70 to 83.70): VU033392.D (-1601) (-)

Ion 85.00 (84.70 to 85.70): VU033392.D (-1601) (-)

Ion 127.00 (126.70 to 127.70): VU033392.D (-1601) (-)



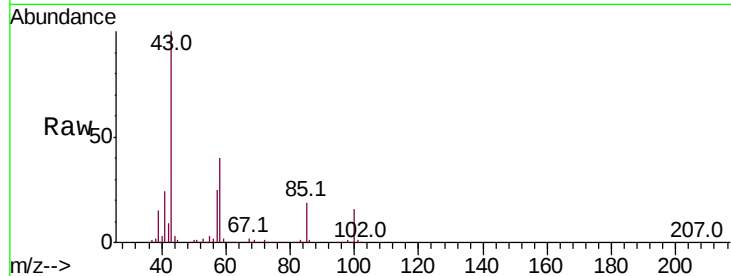


#45
4-Methyl-2-Pentanone
Concen: 51.637 ug/l
RT: 7.45 min Scan# 1977
Delta R.T. -0.00 min
Lab File: VU033392.D
Acq: 24 Jul 2019 18:41

Instrument :
MSVOA_U
ClientSampleId :
VSTDCCC010EC

Tot Ion	Ratio	Lower	Upper
43	100		
58	40.2	20.3	60.8
85	18.4	15.0	22.6

Manual Integrations
APPROVED

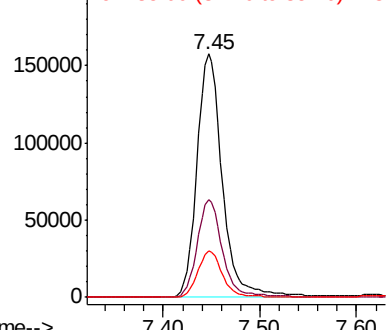


Abundance

Ion 43.00 (42.70 to 43.70): VU033364.D (-1963) (-)

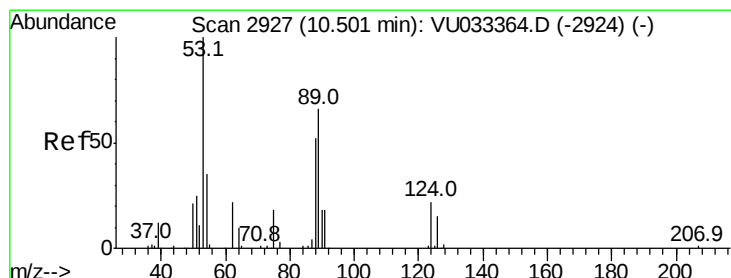
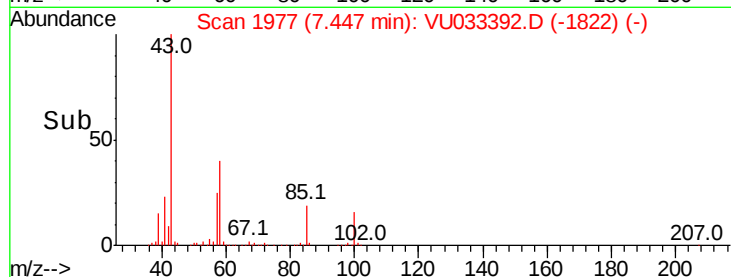
Ion 58.00 (57.70 to 58.70): VU033392.D (-2772) (-)

Ion 85.00 (84.70 to 85.70): VU033364.D (-1963) (-)



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7/25/2019 2:16:43 PM



#46
t-1,4-Dichloro-2-butene
Concen: 19.548 ug/l m
RT: 10.50 min Scan# 2927
Delta R.T. -0.00 min
Lab File: VU033392.D
Acq: 24 Jul 2019 18:41

Tgt Ion	Ratio	Lower	Upper
75	100		
53	88.8	62.9	94.3
89	60.6	43.0	64.4
88	47.6	35.0	52.4

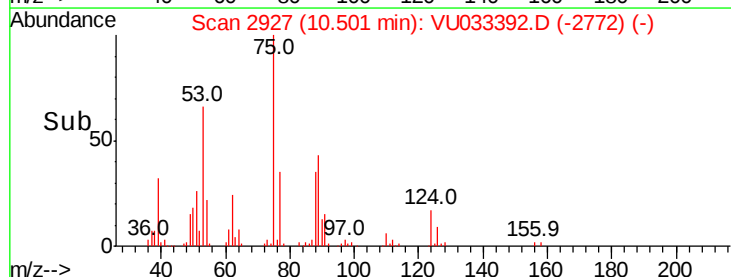
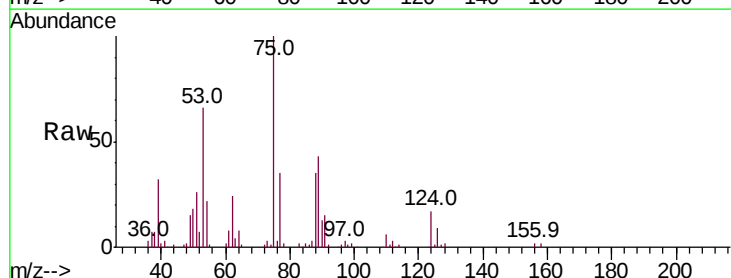
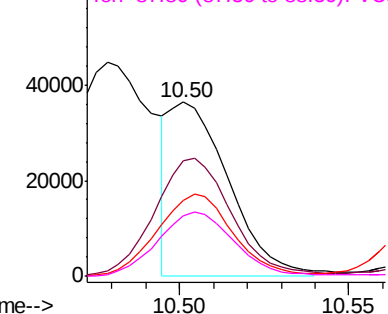
Abundance

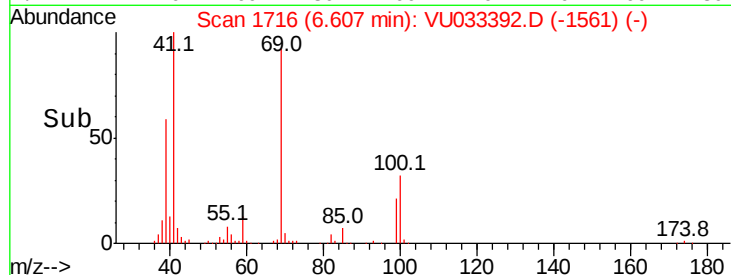
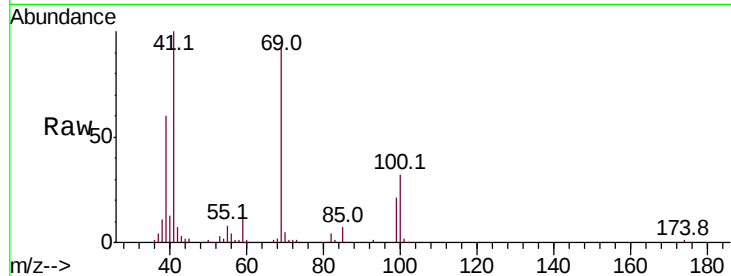
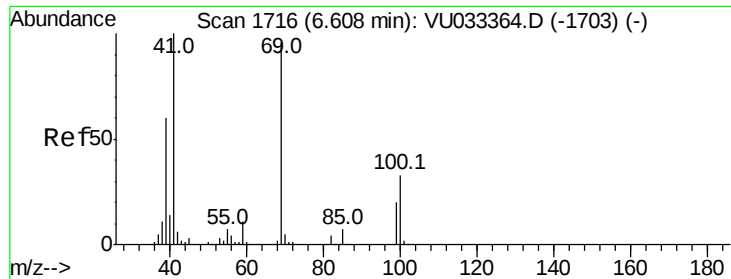
Ion 74.90 (74.60 to 75.60): VU033364.D (-2924) (-)

Ion 53.00 (52.70 to 53.70): VU033392.D (-2772) (-)

Ion 88.80 (88.50 to 89.50): VU033364.D (-2924) (-)

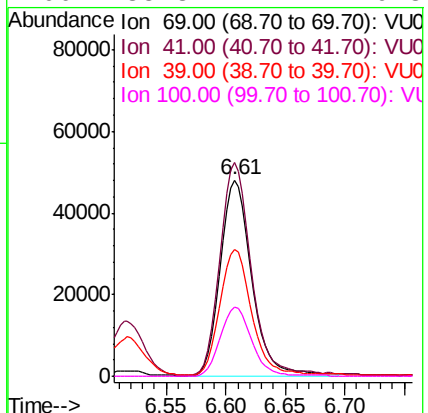
Ion 87.80 (87.50 to 88.50): VU033392.D (-2772) (-)





#47
Methyl methacrylate
Concen: 21.349 ug/l
RT: 6.61 min Scan# 1716
Delta R.T. -0.00 min
Lab File: VU033392.D
Acq: 24 Jul 2019 18:41

Tot Ion	Ion	Ratio	Lower	Upper
69	100			
41	107.5	0.0	208.2	
39	63.0	50.6	75.8	
100	35.3	27.2	40.8	

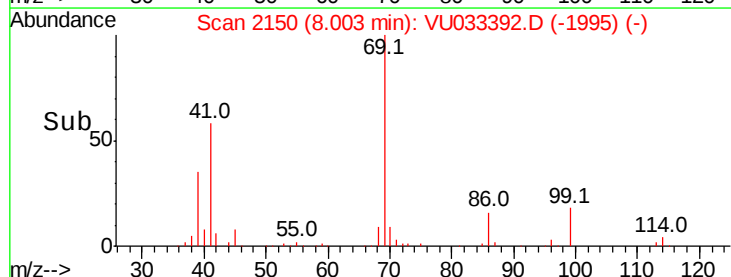
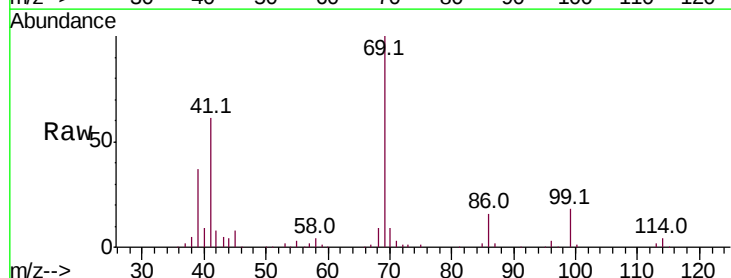
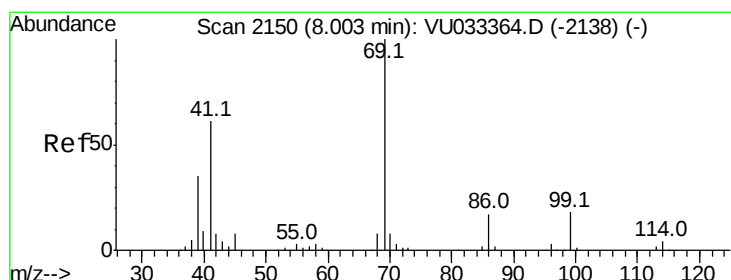


Instrument :
MSVOA_U
ClientSampleId :
VSTDCCC010EC

Manual Integrations
APPROVED

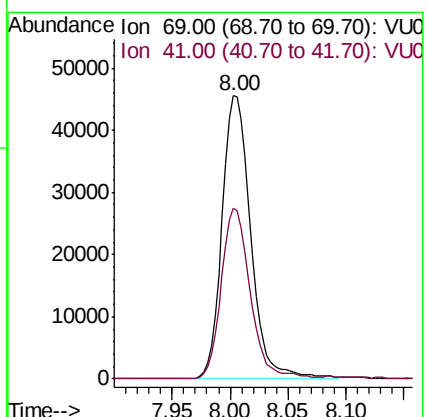
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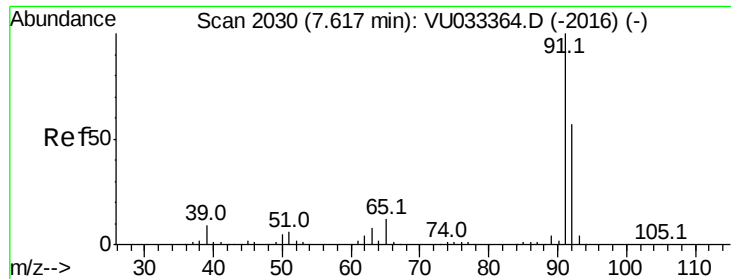
7/25/2019 2:16:43 PM



#48
Ethyl methacrylate
Concen: 10.658 ug/l
RT: 8.00 min Scan# 2150
Delta R.T. -0.00 min
Lab File: VU033392.D
Acq: 24 Jul 2019 18:41

Tgt Ion	Ion	Ratio	Lower	Upper
69	100			
41	60.9	30.9	92.7	





#49

Toluene

Concen: 11.717 ug/l

RT: 7.62 min Scan# 2030

Delta R.T. -0.00 min

Lab File: VU033392.D

Acq: 24 Jul 2019 18:41

Instrument :

MSVOA_U

ClientSampleId :

VSTDCCC010EC

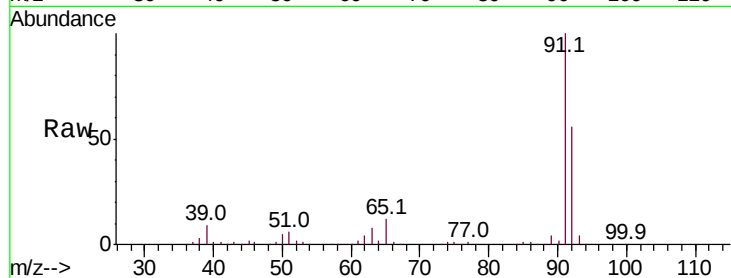
Tot Ion: 92 Resp: 240300

Ion Ratio Lower Upper

92 100

91 177.9 142.1 213.1

Manual Integrations
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Abundance Ion 92.00 (91.70 to 92.70): VU033392.D (-1875) (-)

Ion 91.00 (90.70 to 91.70): VU033392.D (-1875) (-)

250000

200000

150000

100000

50000

0

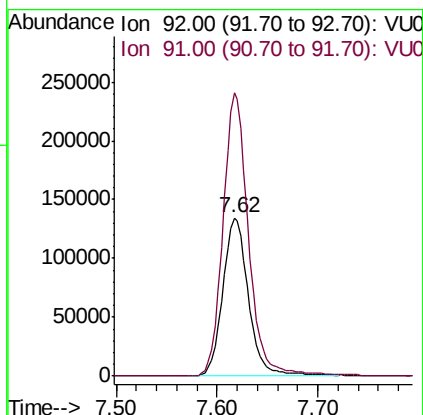
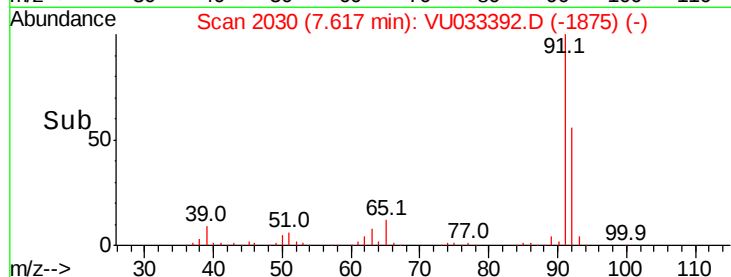
7.62

7.50

7.60

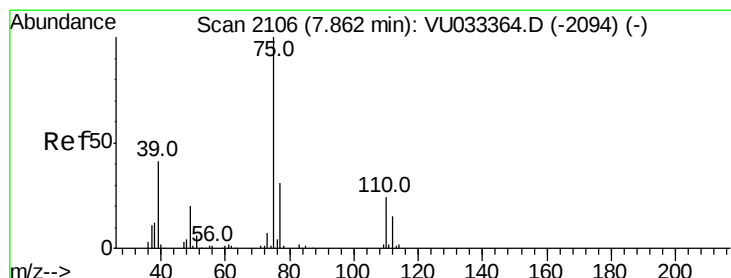
7.70

Time-->



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7/25/2019 2:16:43 PM



#50

t-1,3-Dichloropropene

Concen: 10.668 ug/l

RT: 7.86 min Scan# 2106

Delta R.T. -0.00 min

Lab File: VU033392.D

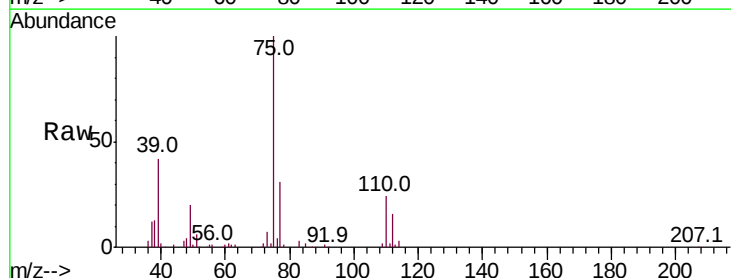
Acq: 24 Jul 2019 18:41

Tgt Ion: 75 Resp: 117327

Ion Ratio Lower Upper

75 100

77 31.5 25.2 37.8



Abundance Ion 75.00 (74.70 to 75.70): VU033392.D (-1951) (-)

Ion 77.00 (76.70 to 77.70): VU033392.D (-1951) (-)

80000

60000

40000

20000

0

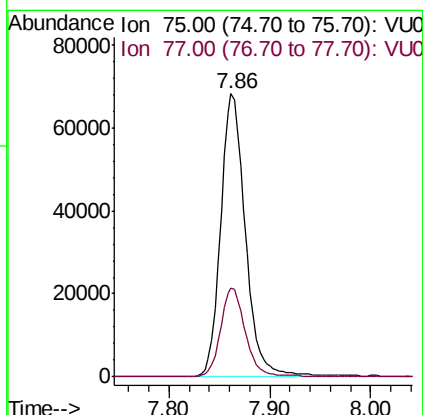
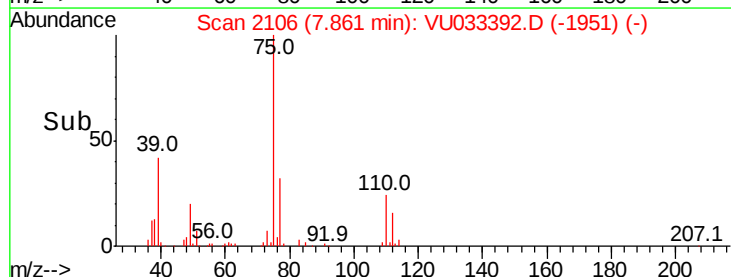
7.86

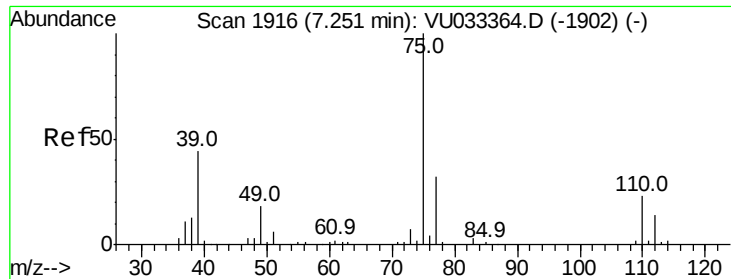
7.80

7.90

8.00

Time-->



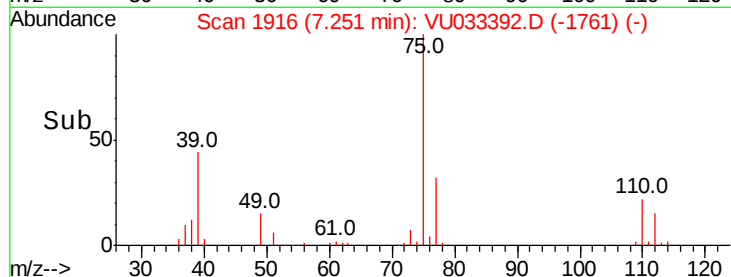
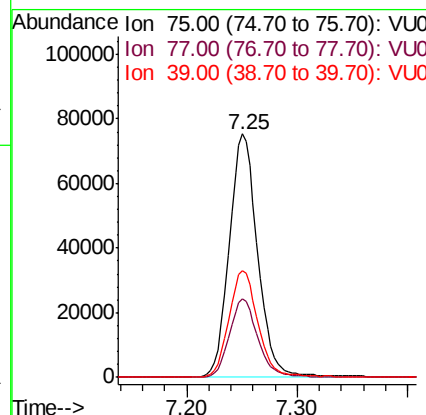
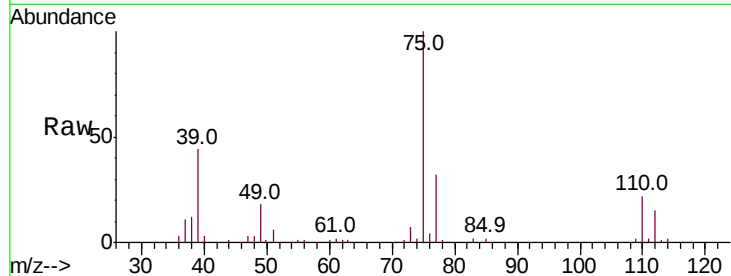


#51
 cis-1,3-Dichloropropene
 Concen: 10.348 ug/l
 RT: 7.25 min Scan# 1916
 Delta R.T. -0.00 min
 Lab File: VU033392.D
 Acq: 24 Jul 2019 18:41

Instrument :
 MSVOA_U
 ClientSampleId :
 VSTDCCC010EC

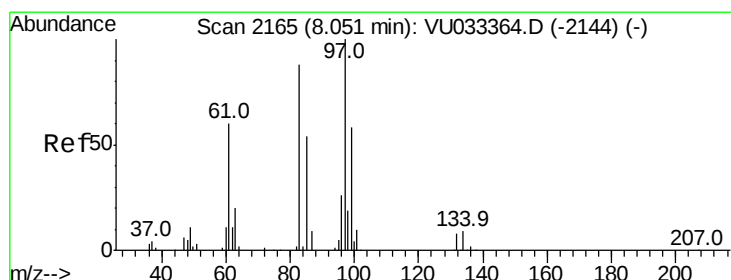
Tot Ion	Ratio	Lower	Upper
75	100		
77	32.2	25.8	38.8
39	43.8	35.2	52.8

Manual Integrations
 APPROVED



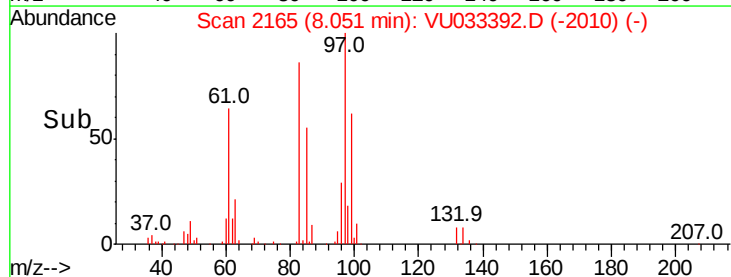
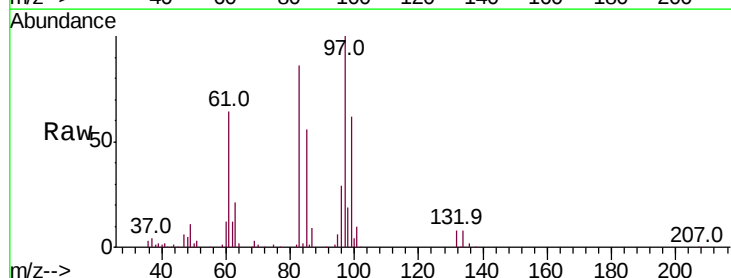
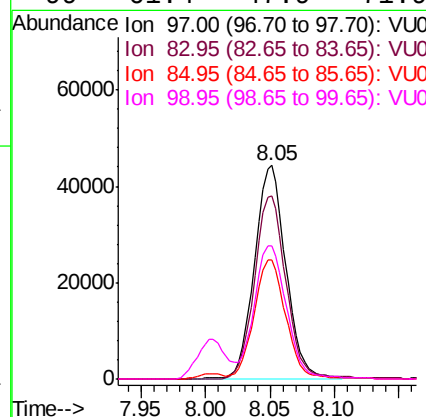
MMDadoda

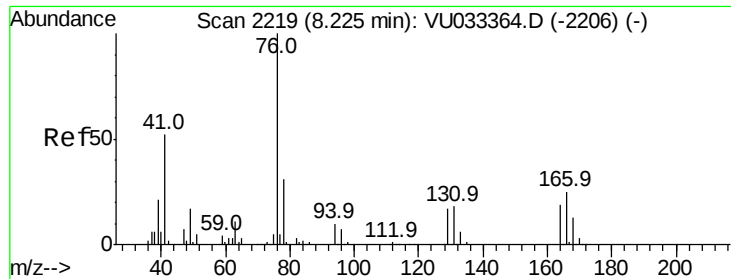
7/25/2019 2:16:43 PM



#52
 1,1,2-Trichloroethane
 Concen: 10.336 ug/l
 RT: 8.05 min Scan# 2165
 Delta R.T. -0.00 min
 Lab File: VU033392.D
 Acq: 24 Jul 2019 18:41

Tgt Ion	Ratio	Lower	Upper
97	100		
83	85.9	70.2	105.2
85	55.2	43.5	65.3
99	61.4	47.9	71.9



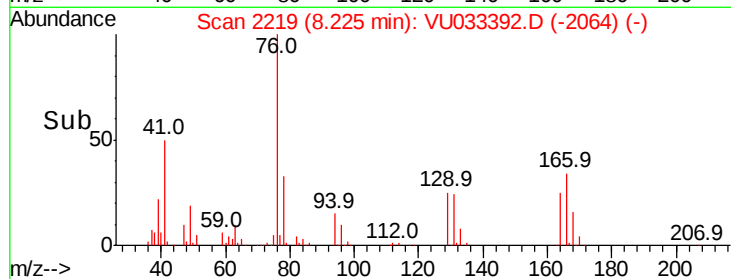
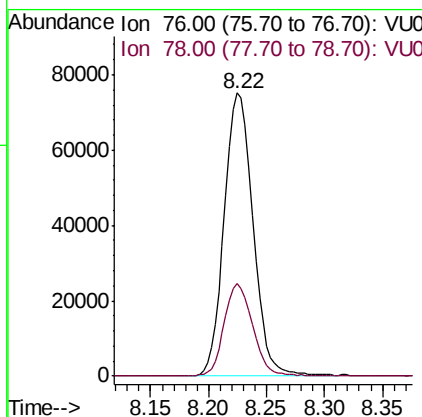
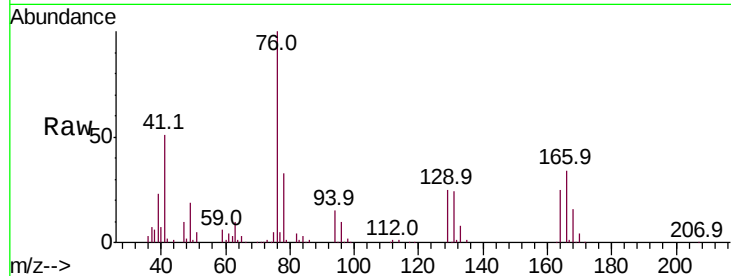


#53
 1,3-Dichloropropane
 Concen: 10.507 ug/l
 RT: 8.22 min Scan# 2219
 Delta R.T. -0.00 min
 Lab File: VU033392.D
 Acq: 24 Jul 2019 18:41

Instrument :
 MSVOA_U
 ClientSampleId :
 VSTDCCC010EC

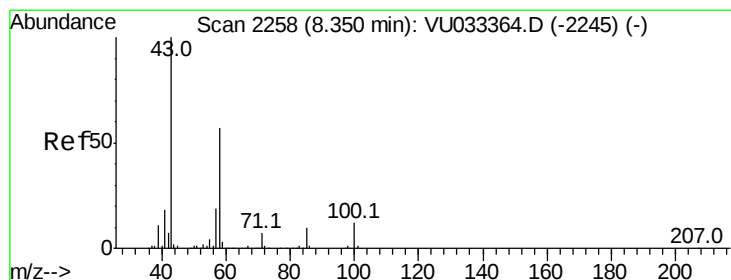
Tot Ion	Ratio	Lower	Upper
76	100		
78	32.3	25.7	38.5

Manual Integrations
 APPROVED



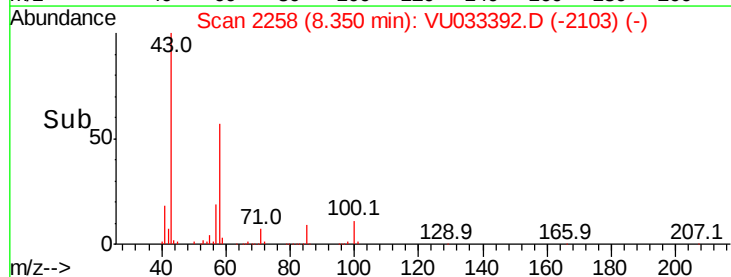
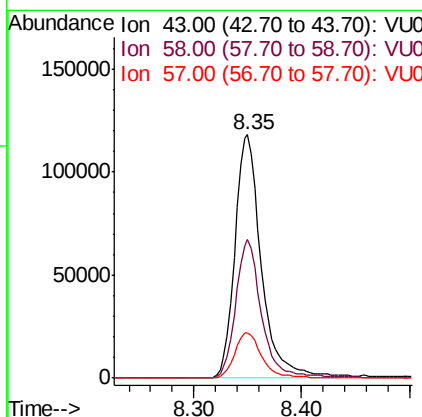
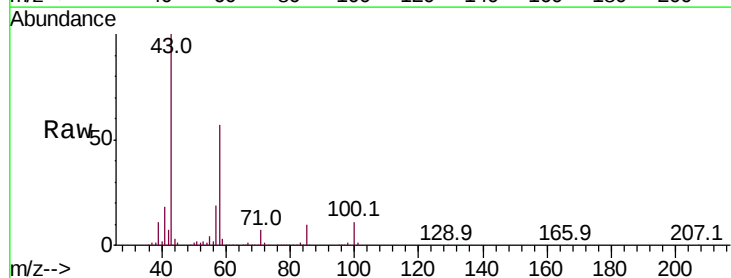
MMDadoda

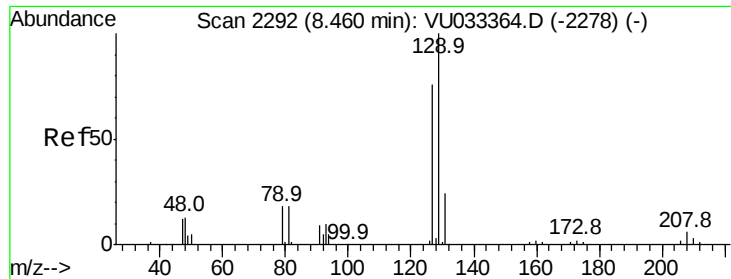
7/25/2019 2:16:43 PM



#54
 2-Hexanone
 Concen: 51.465 ug/l
 RT: 8.35 min Scan# 2258
 Delta R.T. -0.00 min
 Lab File: VU033392.D
 Acq: 24 Jul 2019 18:41

Tgt Ion	Ratio	Lower	Upper
43	100		
58	55.5	36.0	76.0
57	19.0	0.0	39.4





#55

Dibromochloromethane

Concen: 10.663 ug/l

RT: 8.46 min Scan# 2292

Delta R.T. -0.00 min

Lab File: VU033392.D

Acq: 24 Jul 2019 18:41

Instrument :

MSVOA_U

ClientSampleId :

VSTDCCC010EC

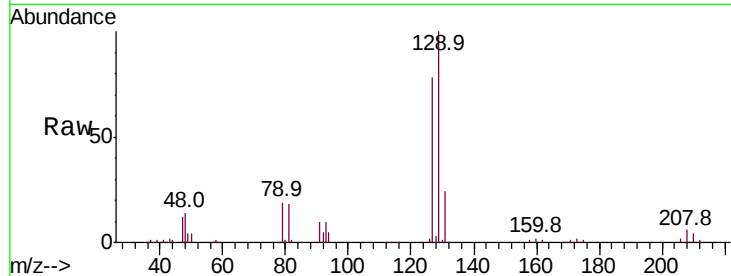
Tot Ion:129 Resp: 91029

Ion Ratio Lower Upper

129 100

127 78.0 60.9 91.3

Manual Integrations
APPROVED



Abundance Ion 129.00 (128.70 to 129.70): V

Ion 127.00 (126.70 to 127.70): V

60000

50000

40000

30000

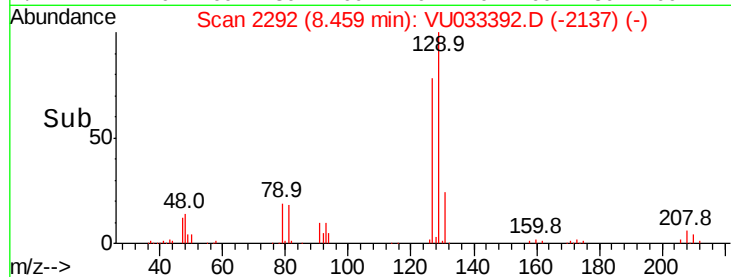
20000

10000

0

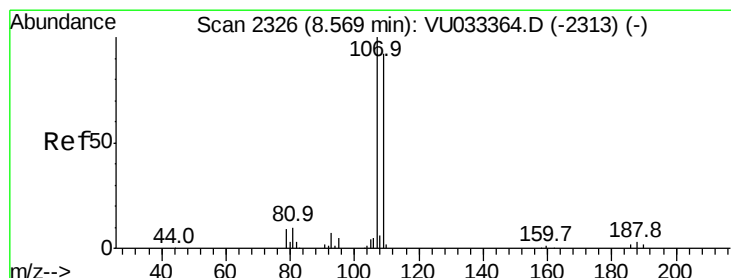
8.40 8.45 8.50 8.55

Time-->



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7/25/2019 2:16:43 PM



#56

1,2-Dibromoethane

Concen: 10.173 ug/l

RT: 8.57 min Scan# 2326

Delta R.T. -0.00 min

Lab File: VU033392.D

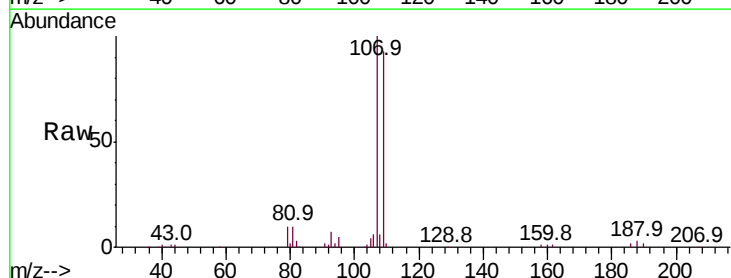
Acq: 24 Jul 2019 18:41

Tgt Ion:107 Resp: 69304

Ion Ratio Lower Upper

107 100

109 94.6 0.0 184.8



Abundance Ion 107.00 (106.70 to 107.70): V

Ion 109.00 (108.70 to 109.70): V

40000

30000

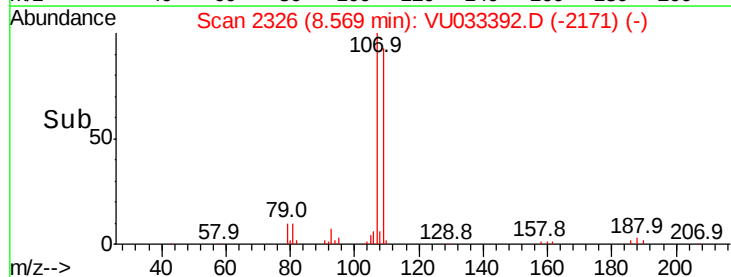
20000

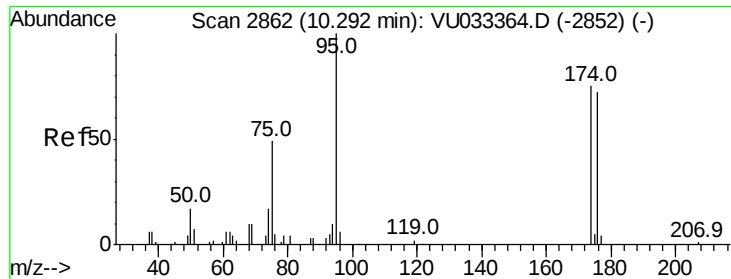
10000

0

8.50 8.55 8.60 8.65

Time-->



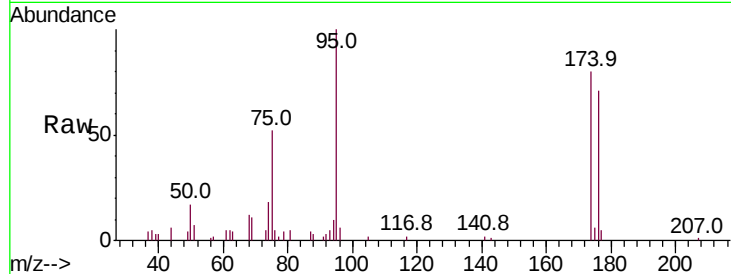


#57
4-Bromofluorobenzene
Concen: 1.101 ug/l
RT: 10.29 min Scan# 2862
Delta R.T. -0.00 min
Lab File: VU033392.D
Acq: 24 Jul 2019 18:41

Instrument :
MSVOA_U
ClientSampleId :
VSTDCCC010EC

Tot Ion	Ratio	Lower	Upper
95	100		
174	75.4	58.8	88.2
176	71.4	54.4	81.6

Manual Integrations
APPROVED

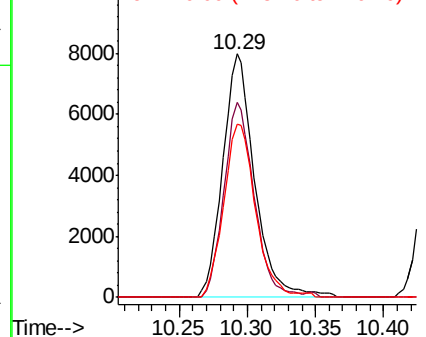


Abundance

Ion 95.00 (94.70 to 95.70): VU033392.D (-2551) (-)

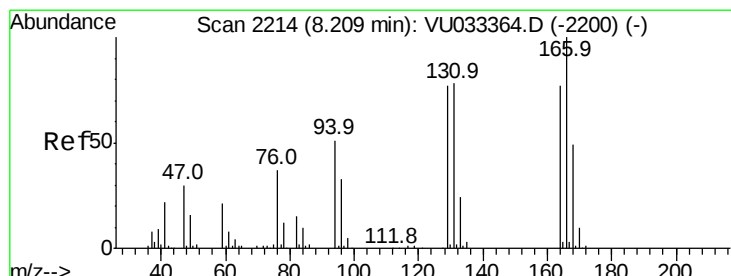
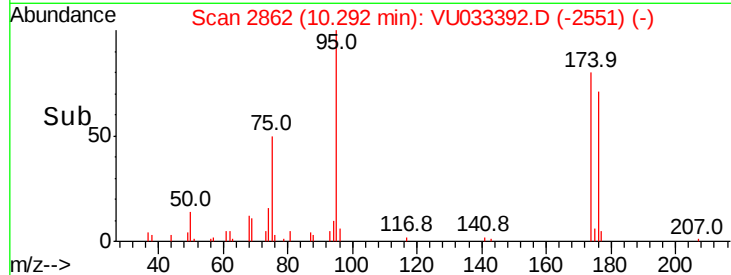
Ion 174.00 (173.70 to 174.70): VU033392.D (-2551) (-)

Ion 176.00 (175.70 to 176.70): VU033392.D (-2551) (-)



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7/25/2019 2:16:43 PM



#58
Tetrachloroethene
Concen: 10.931 ug/l
RT: 8.21 min Scan# 2214
Delta R.T. -0.00 min
Lab File: VU033392.D
Acq: 24 Jul 2019 18:41

Tgt Ion	Ratio	Lower	Upper
164	100		
166	128.0	103.8	155.6
129	99.5	79.7	119.5
131	95.4	80.5	120.7

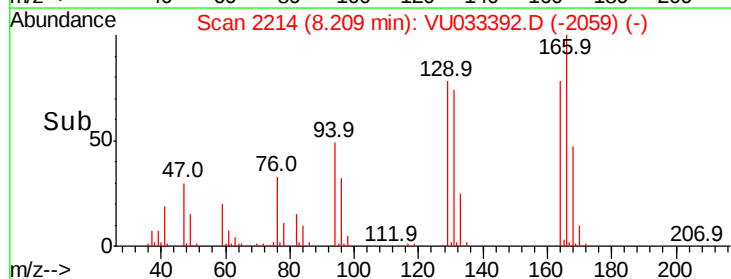
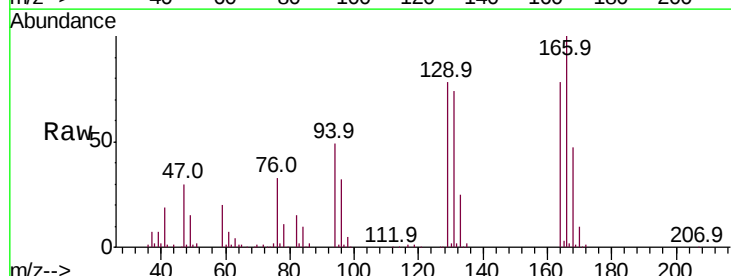
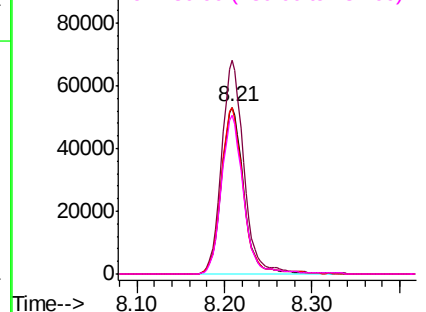
Abundance

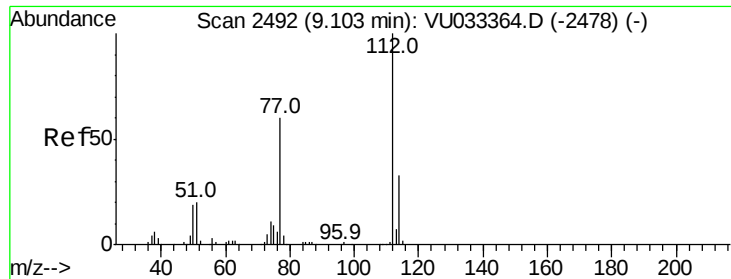
Ion 163.85 (163.55 to 164.55): VU033392.D (-2059) (-)

Ion 165.80 (165.50 to 166.50): VU033392.D (-2059) (-)

Ion 128.90 (128.60 to 129.60): VU033392.D (-2059) (-)

Ion 130.90 (130.60 to 131.60): VU033392.D (-2059) (-)



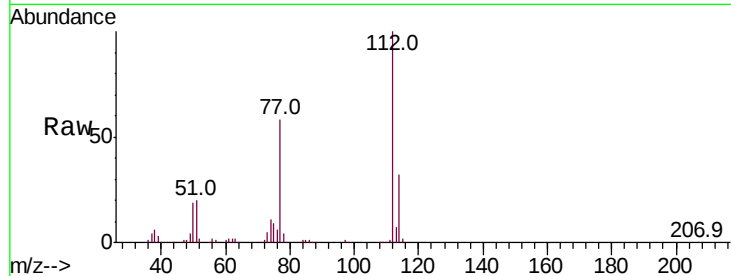


#59
Chlorobenzene
Concen: 11.105 ug/l
RT: 9.10 min Scan# 2492
Delta R.T. -0.00 min
Lab File: VU033392.D
Acq: 24 Jul 2019 18:41

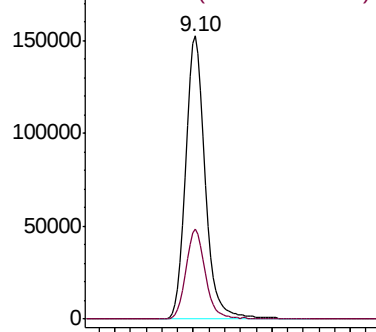
Instrument :
MSVOA_U
ClientSampleId :
VSTDCCC010EC

Tot Ion:112 Resp: 261104
Ion Ratio Lower Upper
112 100
114 32.0 26.4 39.6

Manual Integrations
APPROVED

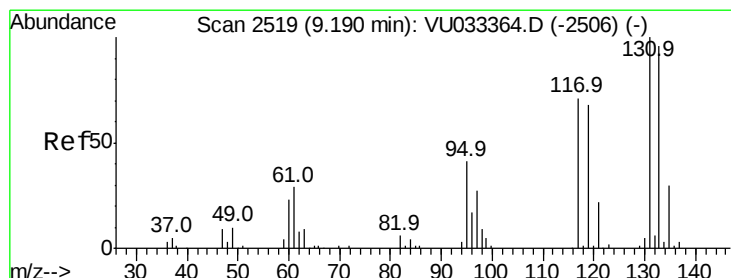
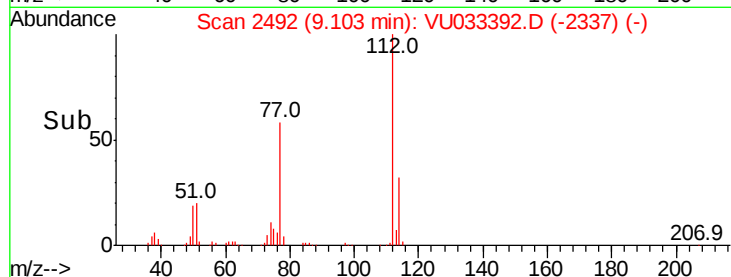


Abundance Ion 112.00 (111.70 to 112.70): V
Ion 114.00 (113.70 to 114.70): V



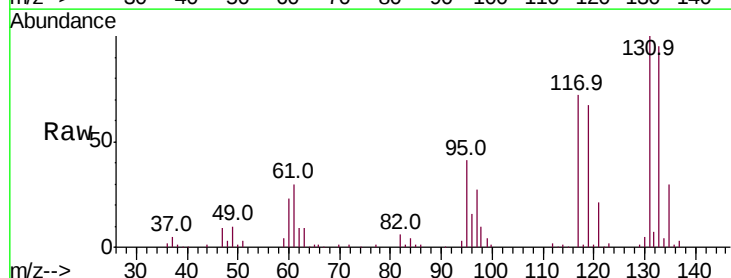
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7/25/2019 2:16:43 PM

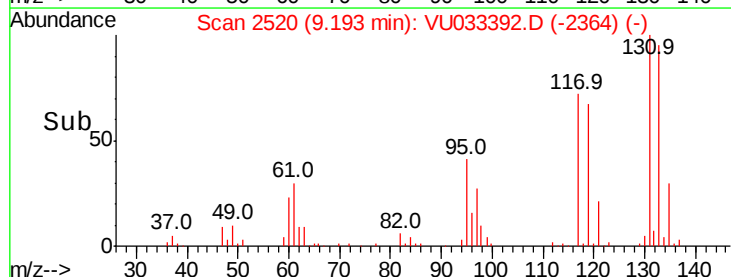
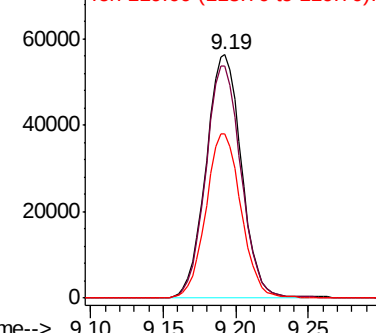


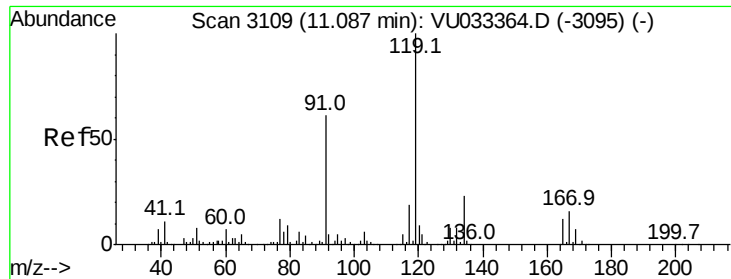
#60
1,1,1,2-Tetrachloroethane
Concen: 10.709 ug/l
RT: 9.19 min Scan# 2520
Delta R.T. 0.00 min
Lab File: VU033392.D
Acq: 24 Jul 2019 18:41

Tgt Ion:131 Resp: 95624
Ion Ratio Lower Upper
131 100
133 94.7 76.2 114.4
119 66.9 54.9 82.3



Abundance Ion 131.00 (130.70 to 131.70): V
Ion 133.00 (132.70 to 133.70): V
Ion 119.00 (118.70 to 119.70): V





#61

Pentachloroethane

Concen: 11.139 ug/l

RT: 11.09 min Scan# 3109

Delta R.T. -0.00 min

Lab File: VU033392.D

Acq: 24 Jul 2019 18:41

Instrument :

MSVOA_U

ClientSampleId :

VSTDCCC010EC

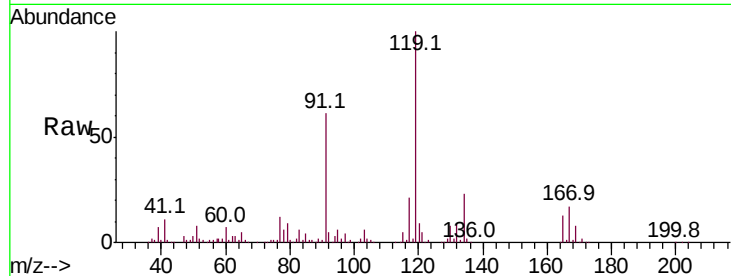
Tot Ion:117 Resp: 81628

Ion Ratio Lower Upper

117 100

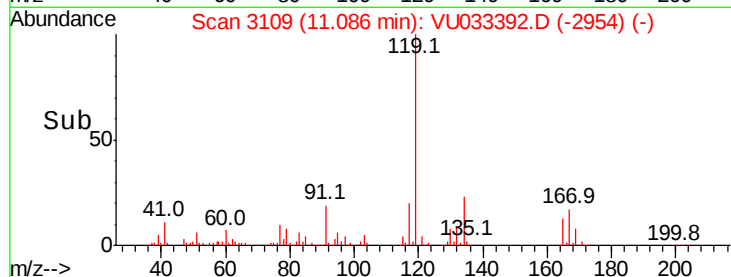
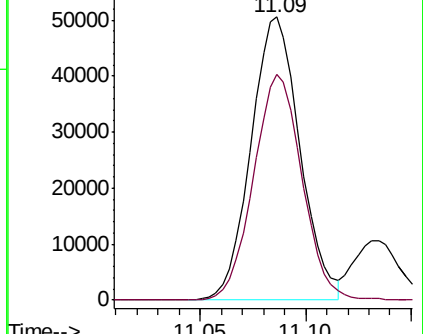
167 79.2 63.4 95.0

Manual Integrations
APPROVED



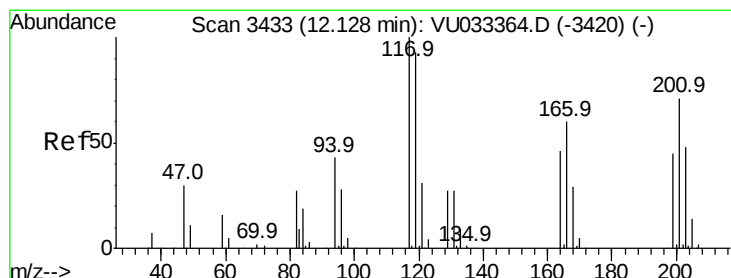
Abundance Ion 116.80 (116.50 to 117.50): V

Ion 166.70 (166.40 to 167.40): V



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7/25/2019 2:16:43 PM



#62

Hexachloroethane

Concen: 11.136 ug/l

RT: 12.13 min Scan# 3433

Delta R.T. -0.00 min

Lab File: VU033392.D

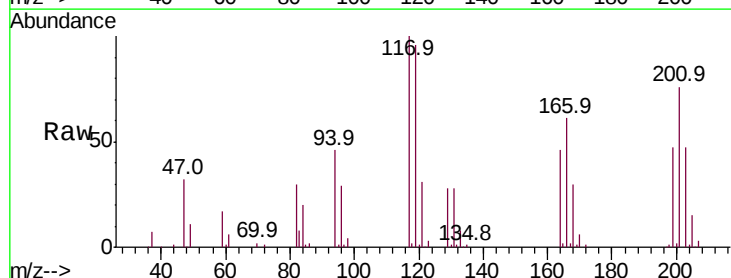
Acq: 24 Jul 2019 18:41

Tgt Ion:117 Resp: 78958

Ion Ratio Lower Upper

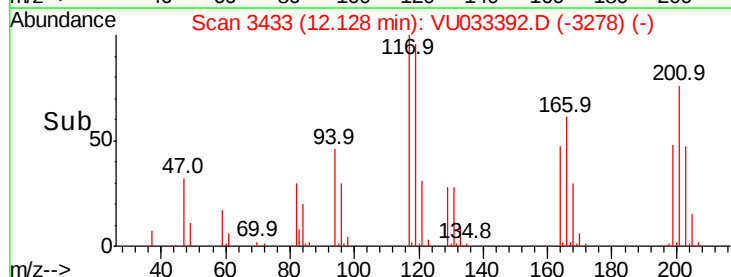
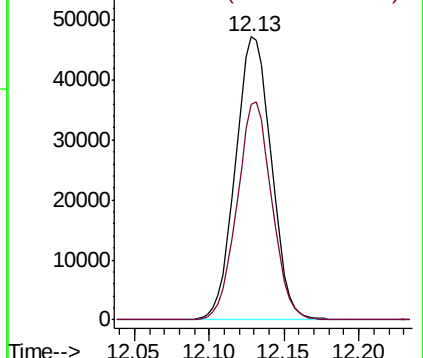
117 100

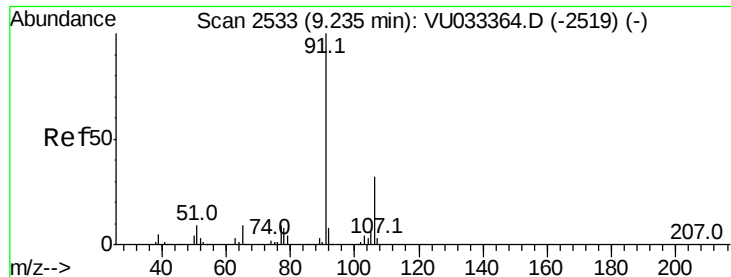
201 74.4 57.9 86.9



Abundance Ion 116.80 (116.50 to 117.50): V

Ion 200.60 (200.30 to 201.30): V



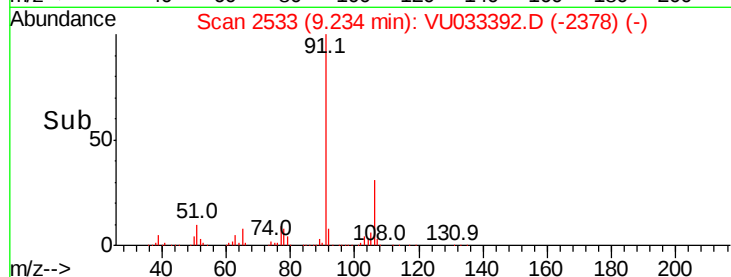
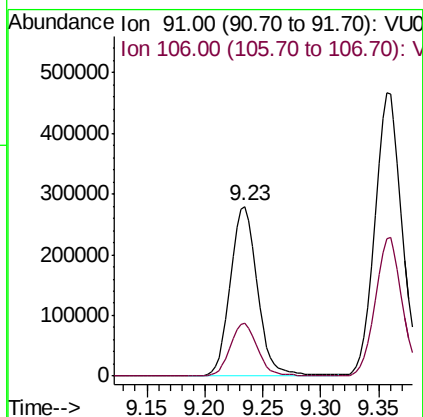
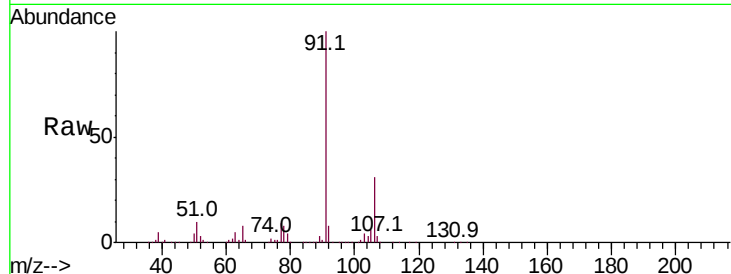


#63
Ethyl Benzene
Concen: 11.992 ug/l
RT: 9.23 min Scan# 2533
Delta R.T. -0.00 min
Lab File: VU033392.D
Acq: 24 Jul 2019 18:41

Instrument :
MSVOA_U
ClientSampleId :
VSTDCCC010EC

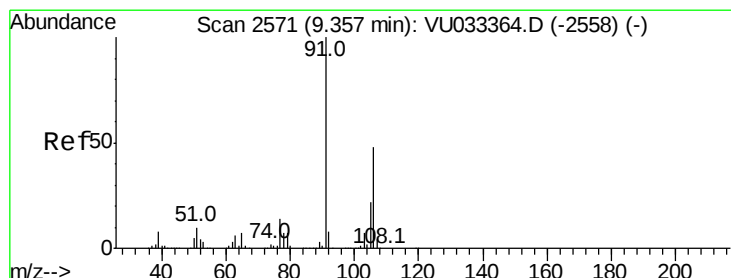
Tot Ion: 91 Resp: 452773
Ion Ratio Lower Upper
91 100
106 31.1 25.4 38.2

Manual Integrations
APPROVED



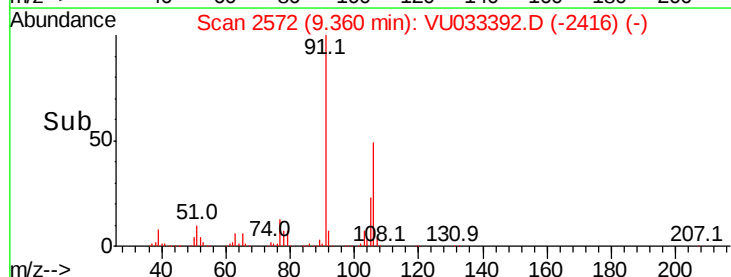
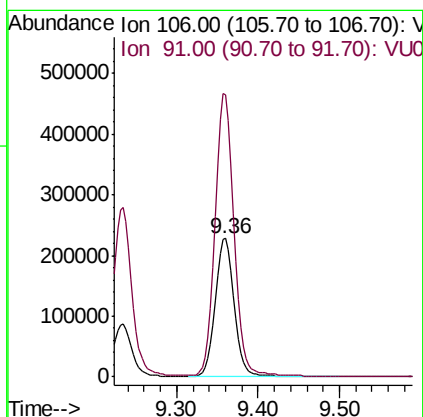
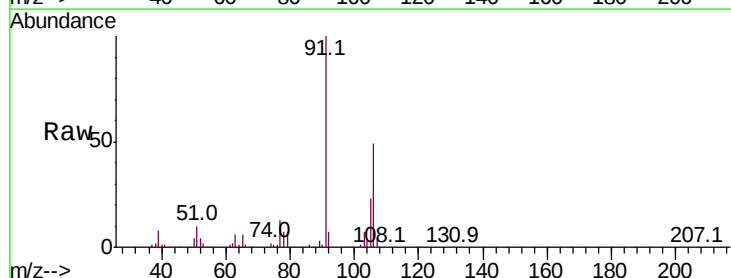
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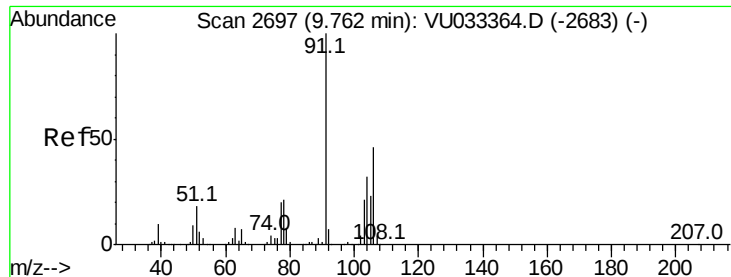
7/25/2019 2:16:43 PM



#64
m/p-Xylenes
Concen: 25.020 ug/l
RT: 9.36 min Scan# 2572
Delta R.T. 0.00 min
Lab File: VU033392.D
Acq: 24 Jul 2019 18:41

Tgt Ion: 106 Resp: 377683
Ion Ratio Lower Upper
106 100
91 204.2 167.1 250.7



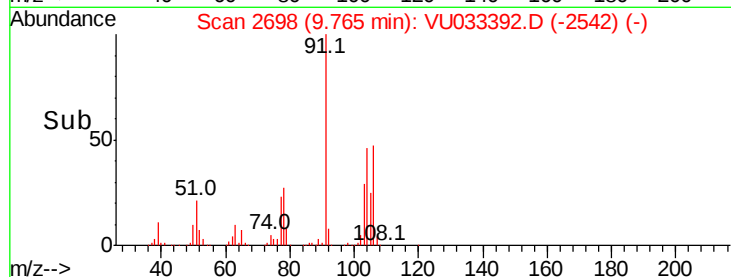
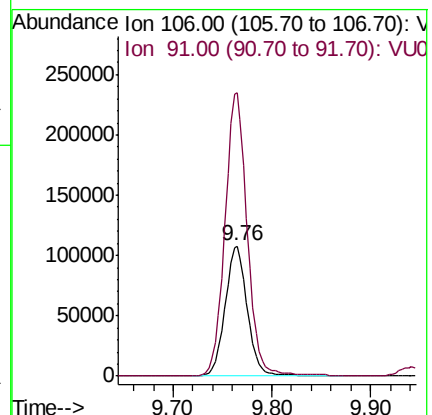
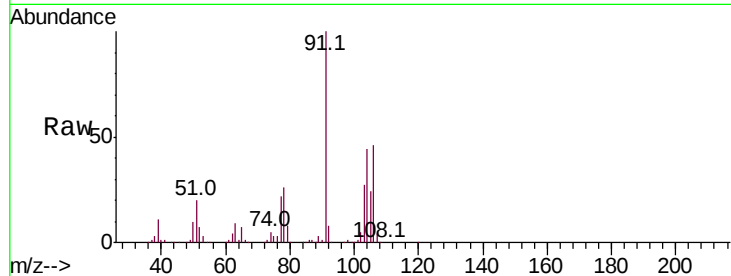


#65
o-Xylene
Concen: 11.842 ug/l
RT: 9.76 min Scan# 2698
Delta R.T. 0.00 min
Lab File: VU033392.D
Acq: 24 Jul 2019 18:41

Instrument :
MSVOA_U
ClientSampleId :
VSTDCCC010EC

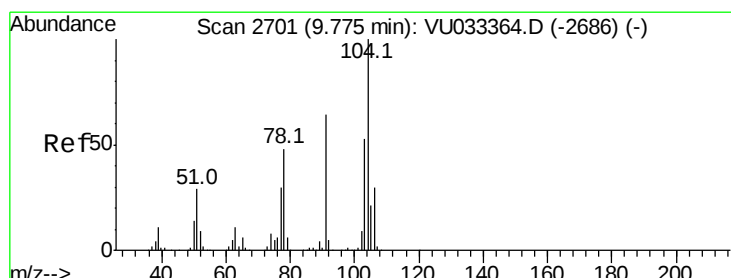
Tot Ion:106 Resp: 171289
Ion Ratio Lower Upper
106 100
91 217.6 108.5 325.3

Manual Integrations
APPROVED



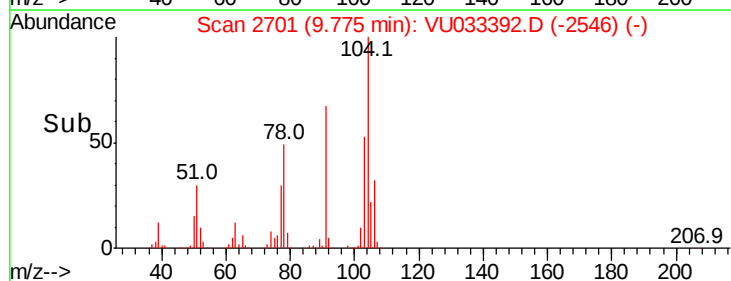
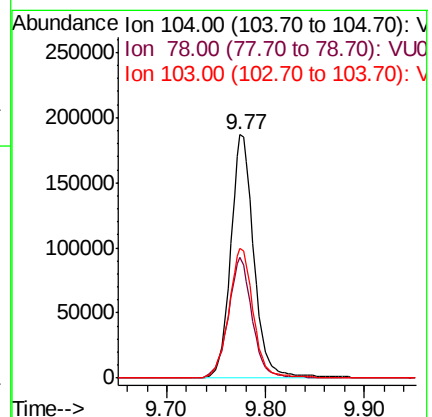
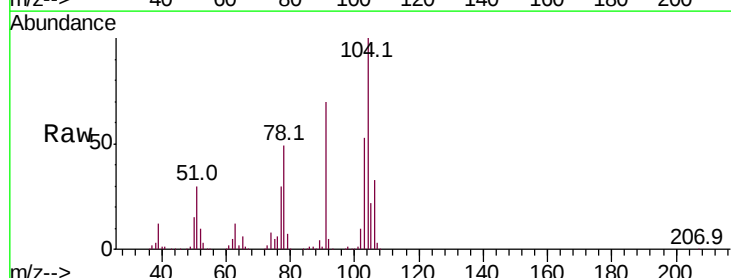
MMDadoda

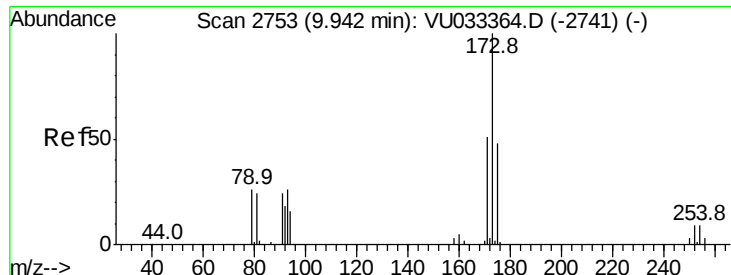
7/25/2019 2:16:43 PM



#66
Styrene
Concen: 12.548 ug/l
RT: 9.77 min Scan# 2701
Delta R.T. -0.00 min
Lab File: VU033392.D
Acq: 24 Jul 2019 18:41

Tgt Ion:104 Resp: 307907
Ion Ratio Lower Upper
104 100
78 51.2 41.2 61.8
103 56.5 44.7 67.1



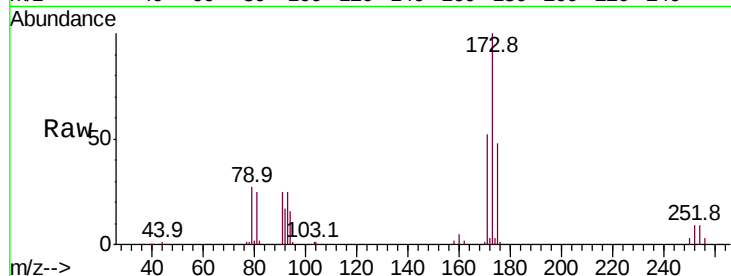


#67
Bromoform
Concen: 11.264 ug/l
RT: 9.94 min Scan# 2753
Delta R.T. -0.00 min
Lab File: VU033392.D
Acq: 24 Jul 2019 18:41

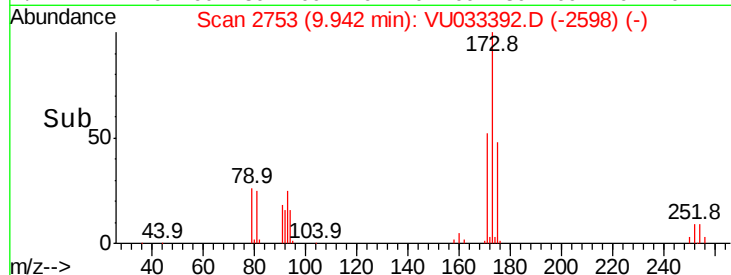
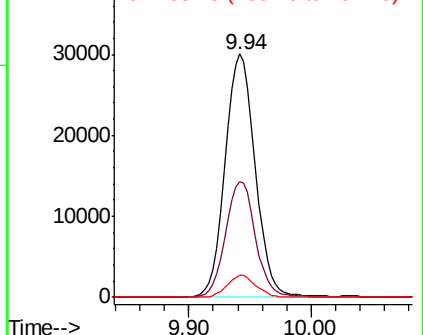
Instrument :
MSVOA_U
ClientSampleId :
VSTDCCC010EC

Tot Ion	Ratio	Lower	Upper
173	100		
175	47.3	38.6	58.0
254	8.6	6.8	10.2

Manual Integrations
APPROVED

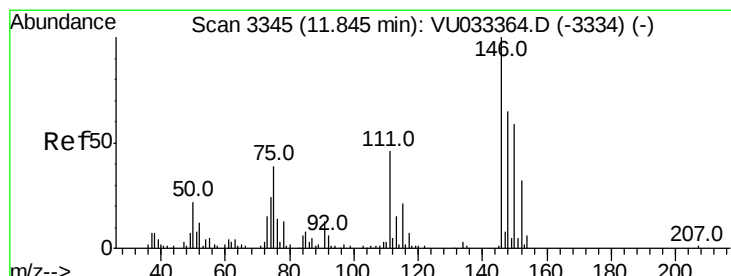


Abundance Ion 172.90 (172.60 to 173.60): V
Ion 174.90 (174.60 to 175.60): V
Ion 253.75 (253.45 to 254.45): V



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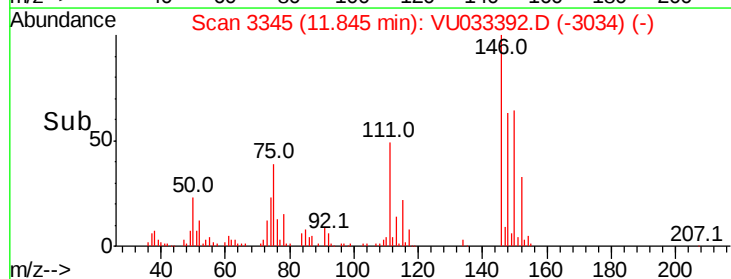
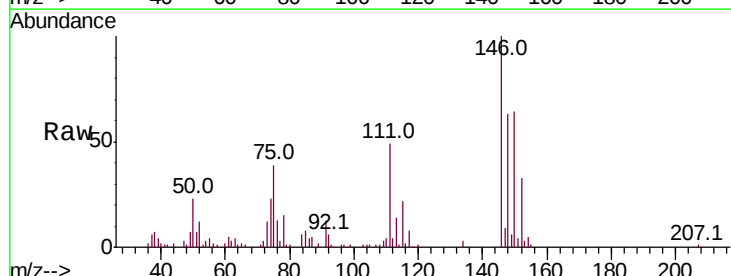
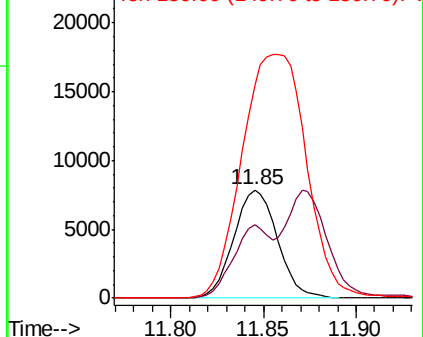
7/25/2019 2:16:43 PM

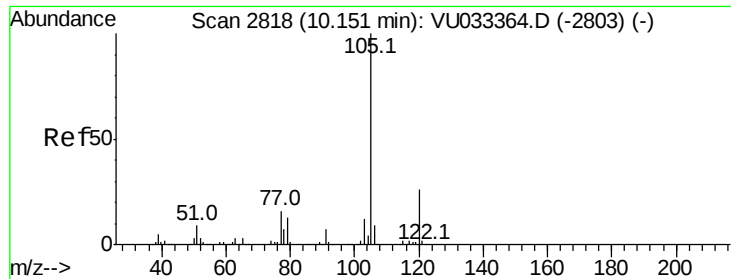


#68
1,2-Dichlorobenzene-d4
Concen: 1.054 ug/l
RT: 11.85 min Scan# 3345
Delta R.T. -0.00 min
Lab File: VU033392.D
Acq: 24 Jul 2019 18:41

Tgt Ion	Ratio	Lower	Upper
152	100		
115	57.6	0.0	123.2
150	335.6	0.0	648.4

Abundance Ion 152.00 (151.70 to 152.70): V
Ion 115.00 (114.70 to 115.70): V
Ion 150.00 (149.70 to 150.70): V





#69

Isopropylbenzene

Concen: 12.104 ug/l

RT: 10.15 min Scan# 2818

Delta R.T. -0.00 min

Lab File: VU033392.D

Acq: 24 Jul 2019 18:41

Instrument :

MSVOA_U

ClientSampleId :

VSTDCCC010EC

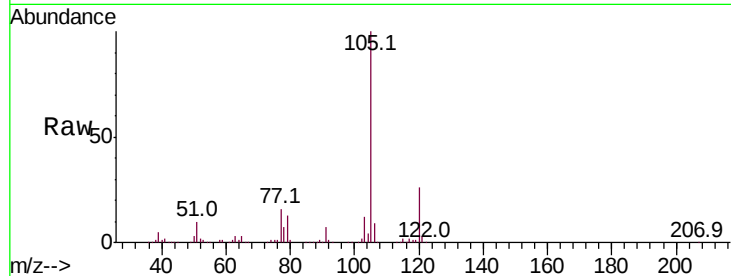
Tot Ion:105 Resp: 448954

Ion Ratio Lower Upper

105 100

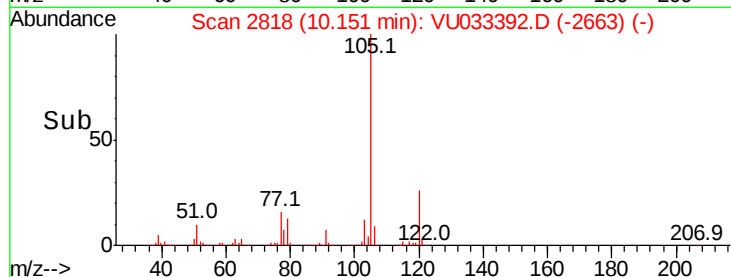
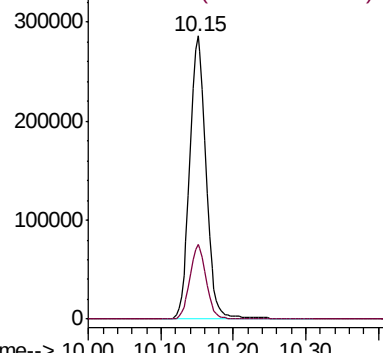
120 26.2 13.4 40.1

Manual Integrations
APPROVED



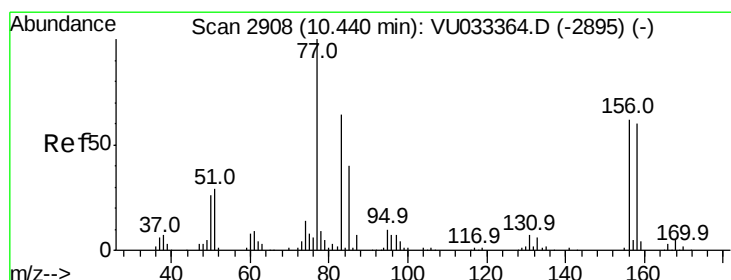
Abundance Ion 105.00 (104.70 to 105.70): V

Ion 120.00 (119.70 to 120.70): V



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7/25/2019 2:16:43 PM



#70

1,1,2,2-Tetrachloroethane

Concen: 10.327 ug/l

RT: 10.44 min Scan# 2909

Delta R.T. 0.00 min

Lab File: VU033392.D

Acq: 24 Jul 2019 18:41

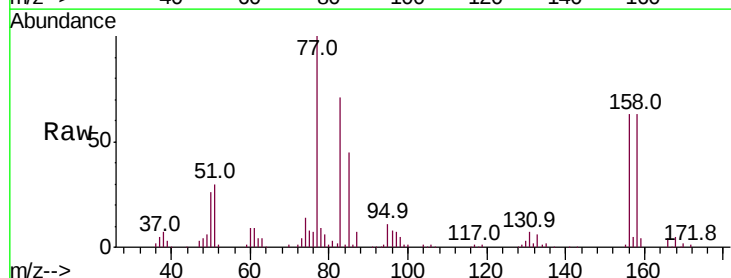
Tgt Ion: 83 Resp: 100029

Ion Ratio Lower Upper

83 100

131 9.8 8.0 12.0

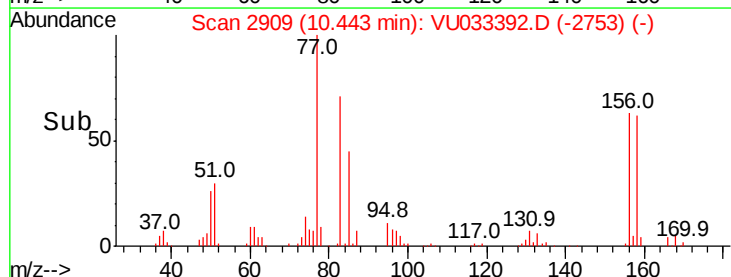
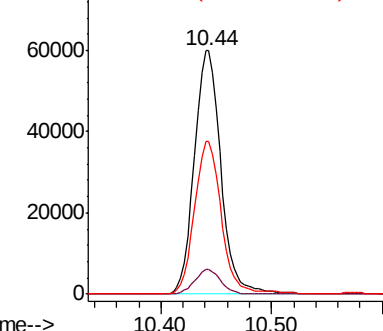
85 63.8 51.8 77.8

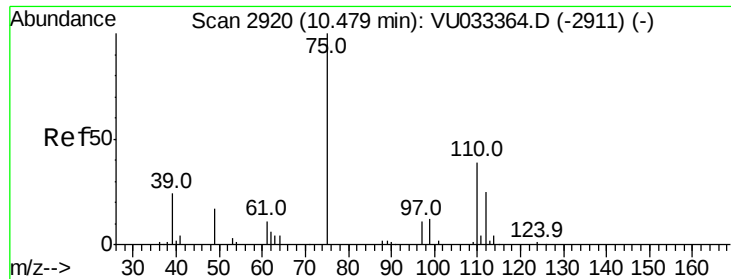


Abundance Ion 83.00 (82.70 to 83.70): VU0

Ion 131.00 (130.70 to 131.70): V

Ion 85.00 (84.70 to 85.70): VU0



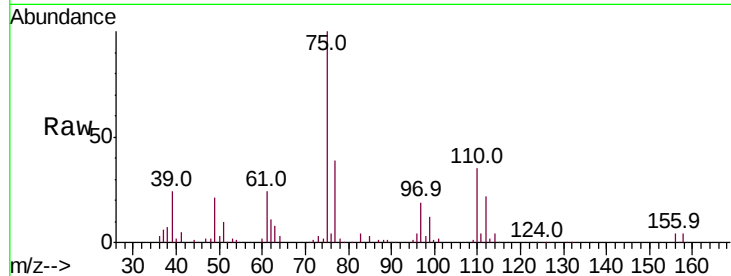


#71
1,2,3-Trichloropropane
Concen: 10.286 ug/l m
RT: 10.48 min Scan# 2920
Delta R.T. -0.00 min
Lab File: VU033392.D
Acq: 24 Jul 2019 18:41

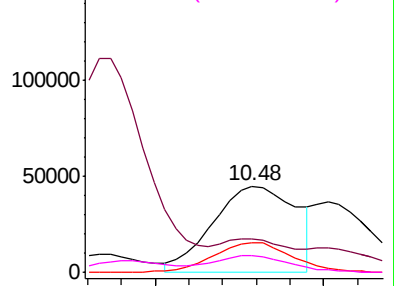
Instrument :
MSVOA_U
ClientSampleId :
VSTDCCC010EC

Tot Ion	Ion	Ratio	Lower	Upper
75	100			
77	10.8	0.0	18.2	
110	32.7	0.0	71.4	
97	17.7	0.0	37.8	

Manual Integrations
APPROVED

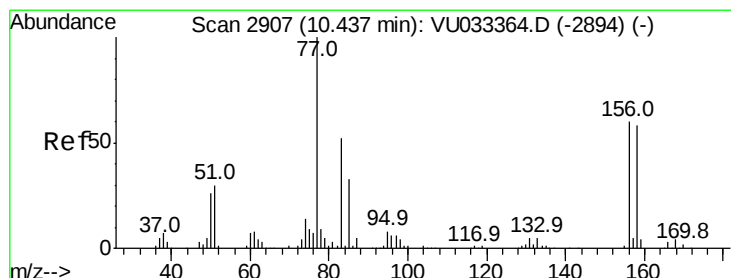
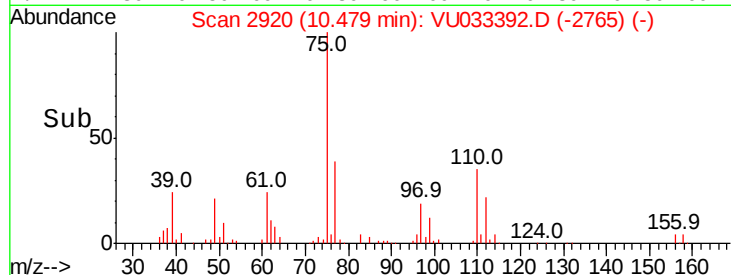


Abundance Ion 75.00 (74.70 to 75.70): VU033364.D (-2911) (-)
Ion 77.00 (76.70 to 77.70): VU033364.D (-2911) (-)
Ion 110.00 (109.70 to 110.70): VU033364.D (-2911) (-)
Ion 97.00 (96.70 to 97.70): VU033364.D (-2911) (-)



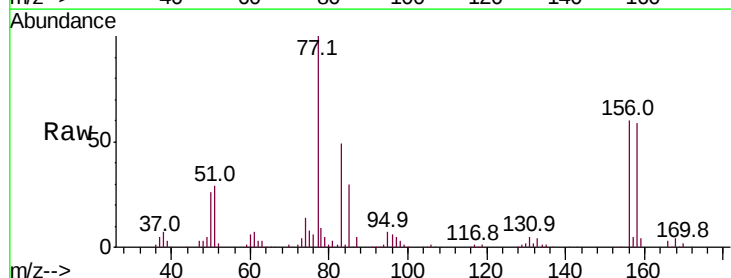
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7/25/2019 2:16:43 PM

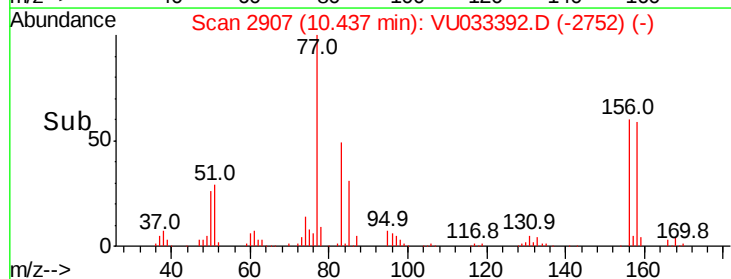
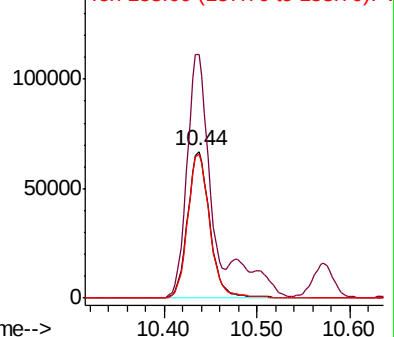


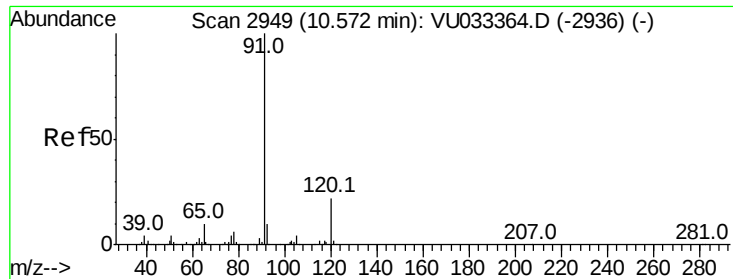
#72
Bromobenzene
Concen: 11.378 ug/l
RT: 10.44 min Scan# 2907
Delta R.T. -0.00 min
Lab File: VU033392.D
Acq: 24 Jul 2019 18:41

Tgt Ion	Ion	Ratio	Lower	Upper
156	100			
77	163.0	0.0	324.4	
158	98.1	0.0	192.4	



Abundance Ion 156.00 (155.70 to 156.70): VU033364.D (-2894) (-)
Ion 77.00 (76.70 to 77.70): VU033364.D (-2894) (-)
Ion 158.00 (157.70 to 158.70): VU033364.D (-2894) (-)





#73

n-propylbenzene

Concen: 12.652 ug/l

RT: 10.57 min Scan# 2949

Delta R.T. -0.00 min

Lab File: VU033392.D

Acq: 24 Jul 2019 18:41

Instrument :

MSVOA_U

ClientSampleId :

VSTDCCC010EC

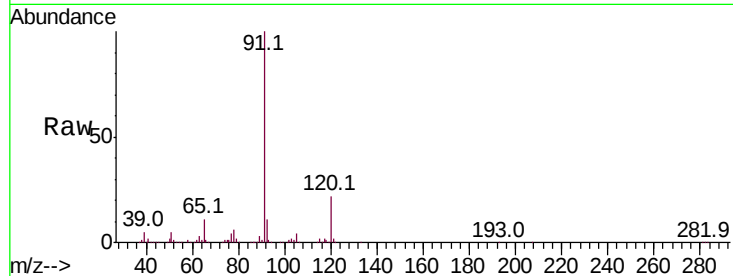
Tot Ion:120 Resp: 133762

Ion Ratio Lower Upper

120 100

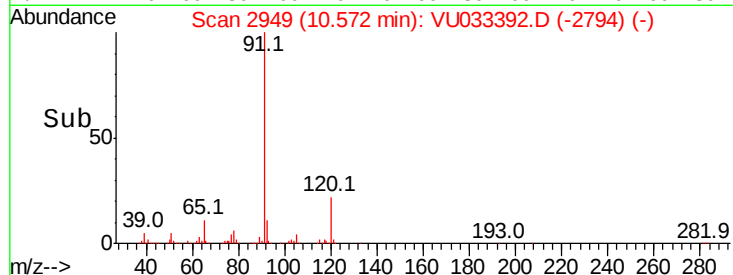
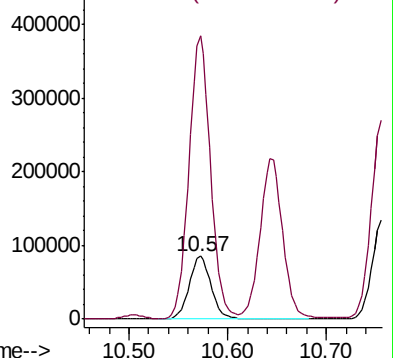
91 440.6 355.1 532.7

Manual Integrations
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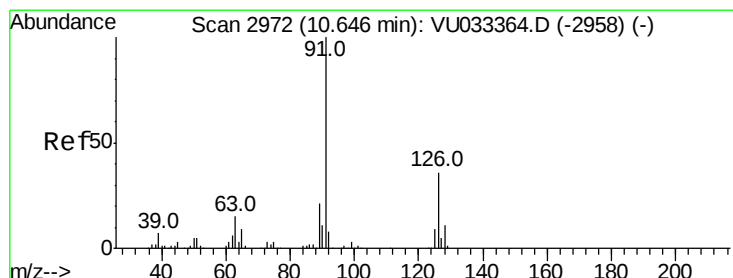
Abundance Ion 120.00 (119.70 to 120.70): V

Ion 91.00 (90.70 to 91.70): VU0



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7/25/2019 2:16:43 PM



#74

2-Chlorotoluene

Concen: 12.318 ug/l

RT: 10.64 min Scan# 2971

Delta R.T. -0.00 min

Lab File: VU033392.D

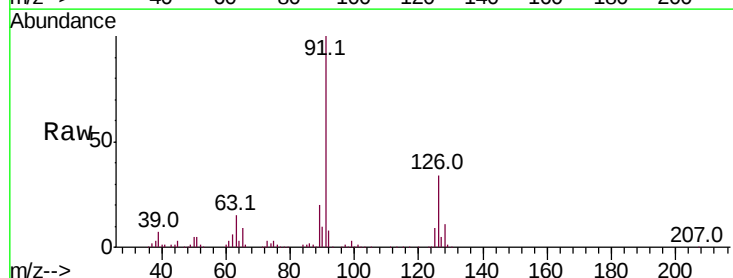
Acq: 24 Jul 2019 18:41

Tgt Ion:126 Resp: 118891

Ion Ratio Lower Upper

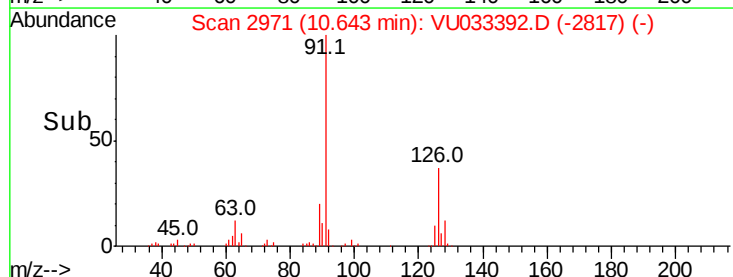
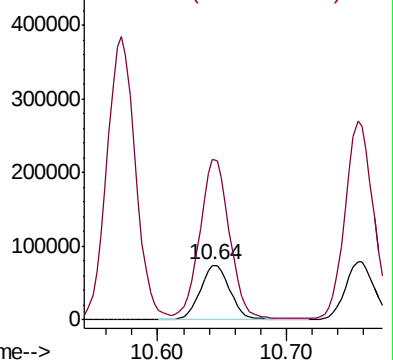
126 100

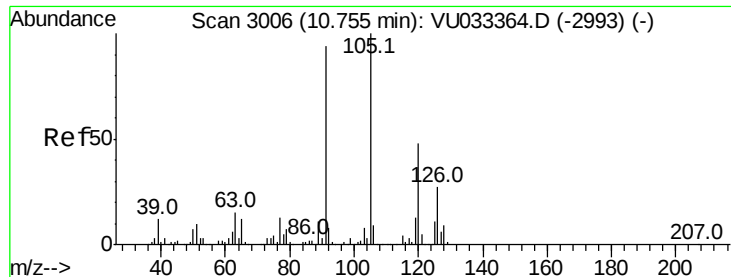
91 297.6 0.0 598.0



Abundance Ion 126.00 (125.70 to 126.70): V

Ion 91.00 (90.70 to 91.70): VU0





#75

1,3,5-Trimethylbenzene

Concen: 12.825 ug/l

RT: 10.76 min Scan# 3006

Delta R.T. -0.00 min

Lab File: VU033392.D

Acq: 24 Jul 2019 18:41

Instrument :

MSVOA_U

ClientSampleId :

VSTDCCC010EC

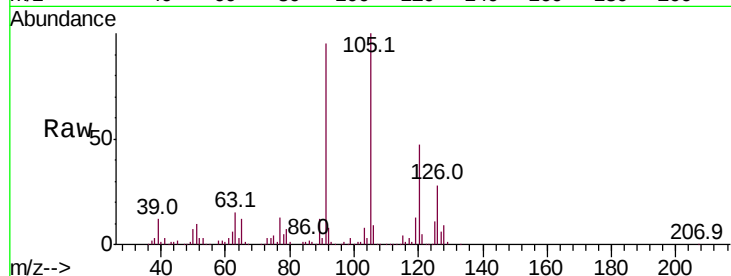
Tot Ion:105 Resp: 427085

Ion Ratio Lower Upper

105 100

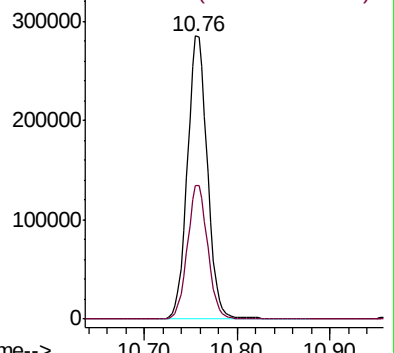
120 47.9 38.2 57.4

Manual Integrations
APPROVED



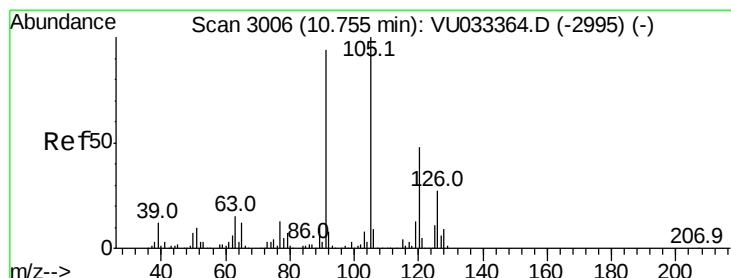
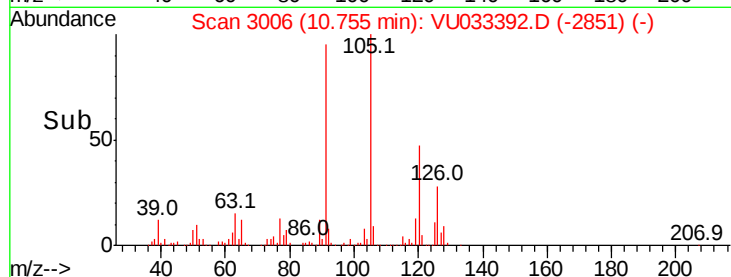
Abundance Ion 105.00 (104.70 to 105.70): V

Ion 120.00 (119.70 to 120.70): V



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7/25/2019 2:16:43 PM



#76

4-Chlorotoluene

Concen: 12.548 ug/l

RT: 10.76 min Scan# 3006

Delta R.T. -0.00 min

Lab File: VU033392.D

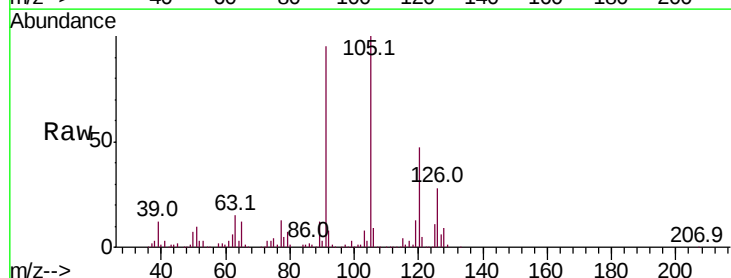
Acq: 24 Jul 2019 18:41

Tgt Ion:126 Resp: 126195

Ion Ratio Lower Upper

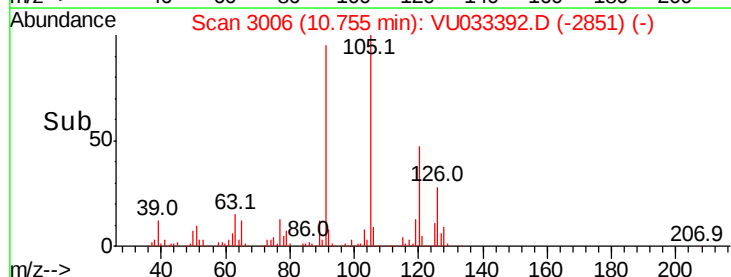
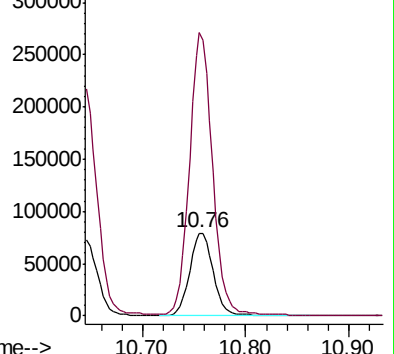
126 100

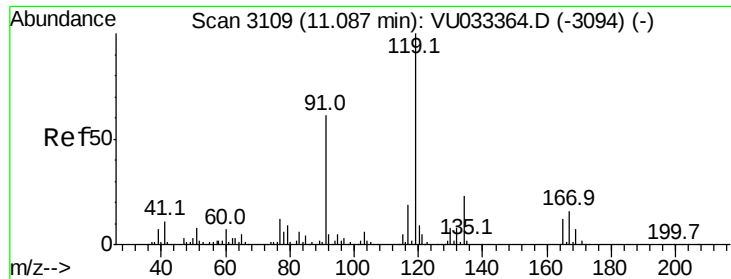
91 334.1 0.0 681.0



Abundance Ion 126.00 (125.70 to 126.70): V

Ion 91.00 (90.70 to 91.70): VU0



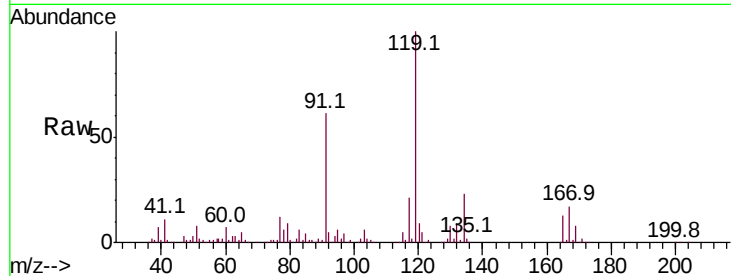


#77
tert-Butylbenzene
Concen: 11.979 ug/l
RT: 11.09 min Scan# 3109
Delta R.T. -0.00 min
Lab File: VU033392.D
Acq: 24 Jul 2019 18:41

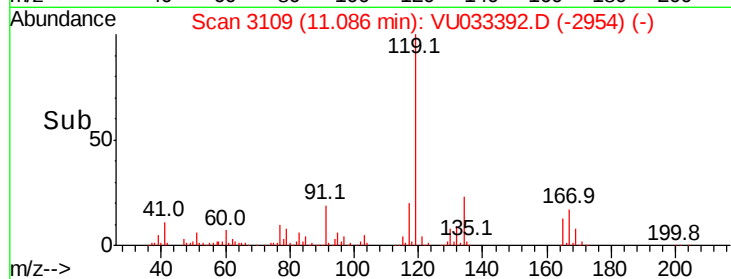
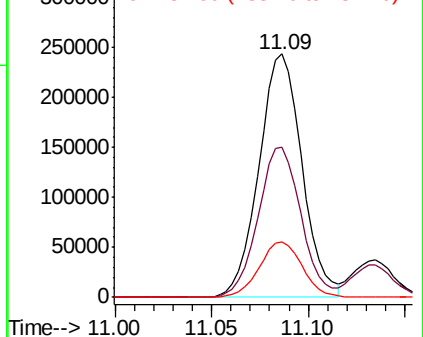
Instrument :
MSVOA_U
ClientSampleId :
VSTDCCC010EC

Tot Ion	Ratio	Lower	Upper
119	100		
91	61.2	30.4	91.3
134	23.1	18.5	27.7

Manual Integrations
APPROVED

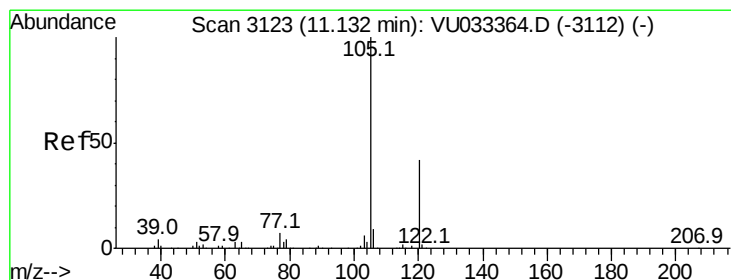


Abundance Ion 119.00 (118.70 to 119.70): V
Ion 91.00 (90.70 to 91.70): V
Ion 134.00 (133.70 to 134.70): V



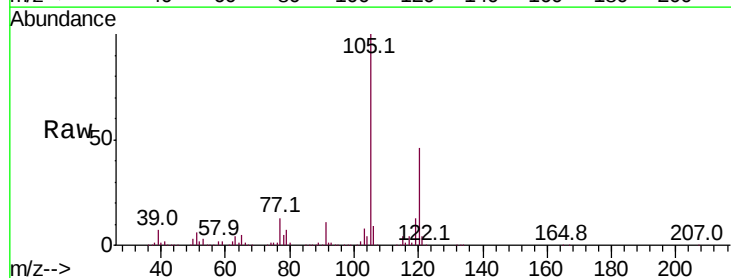
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7/25/2019 2:16:43 PM

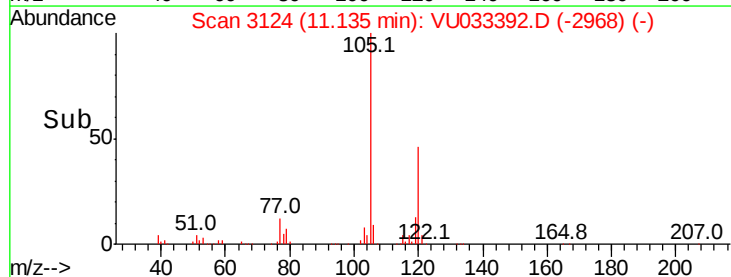
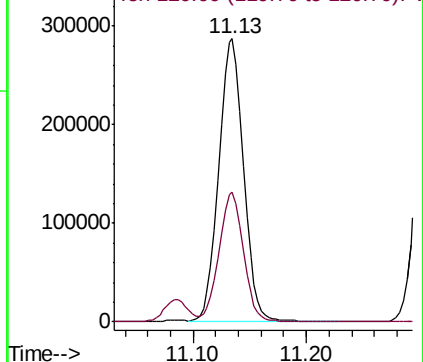


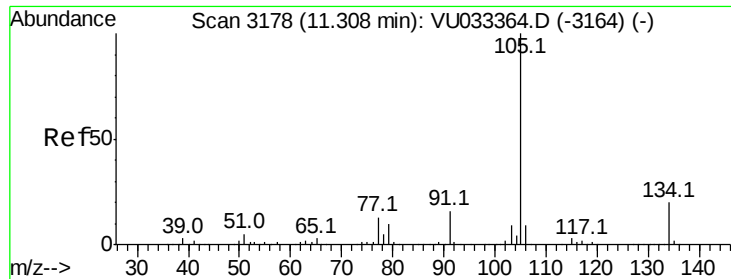
#78
1,2,4-Trimethylbenzene
Concen: 12.858 ug/l
RT: 11.13 min Scan# 3124
Delta R.T. 0.00 min
Lab File: VU033392.D
Acq: 24 Jul 2019 18:41

Tgt Ion	Ratio	Lower	Upper
105	100		
120	45.3	22.5	67.5



Abundance Ion 105.00 (104.70 to 105.70): V
Ion 120.00 (119.70 to 120.70): V



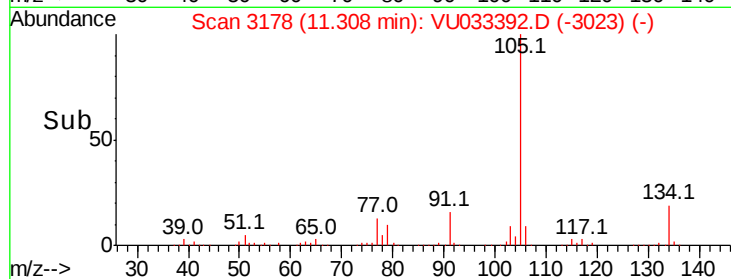
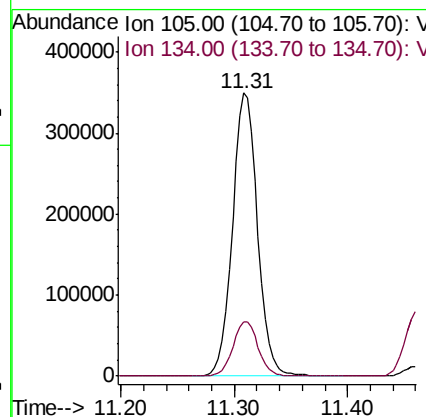
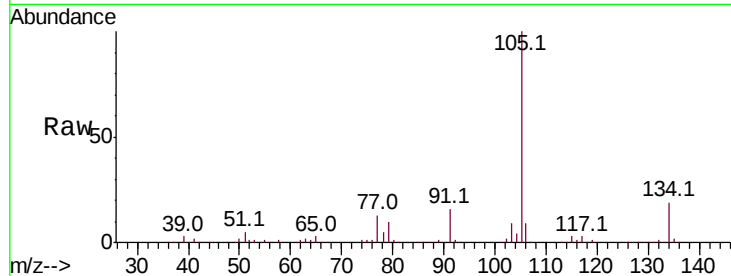


#79
 sec-Butylbenzene
 Concen: 12.303 ug/l
 RT: 11.31 min Scan# 3178
 Delta R.T. -0.00 min
 Lab File: VU033392.D
 Acq: 24 Jul 2019 18:41

Instrument :
 MSVOA_U
 ClientSampleId :
 VSTDCCC010EC

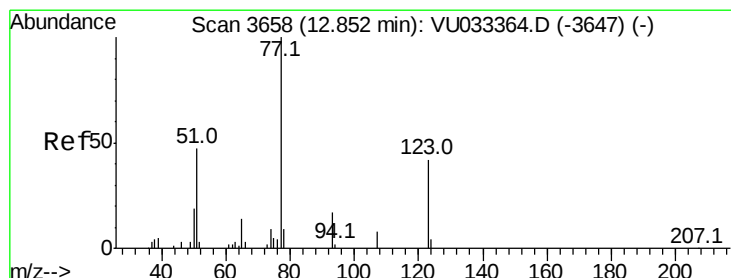
Tot Ion	Ratio	Lower	Upper
105	100		
134	19.5	15.5	23.3

Manual Integrations
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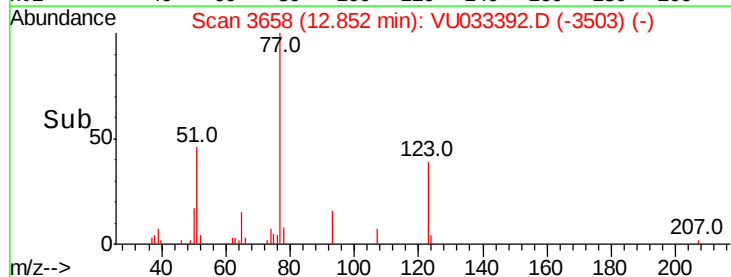
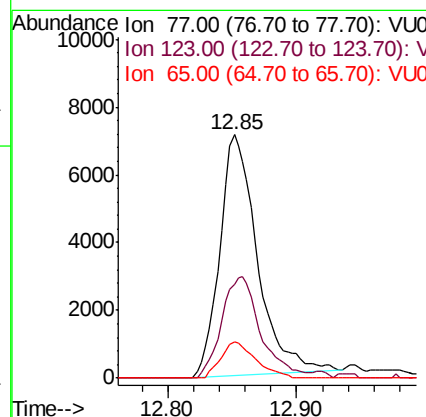
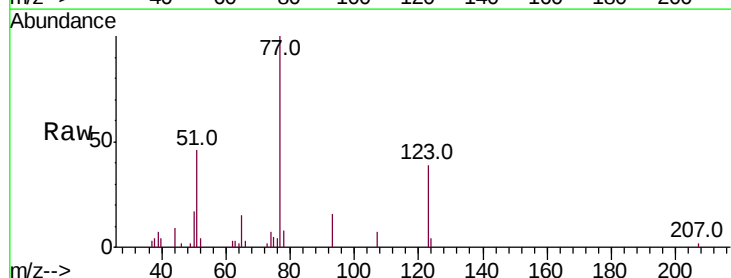
MMDadoda

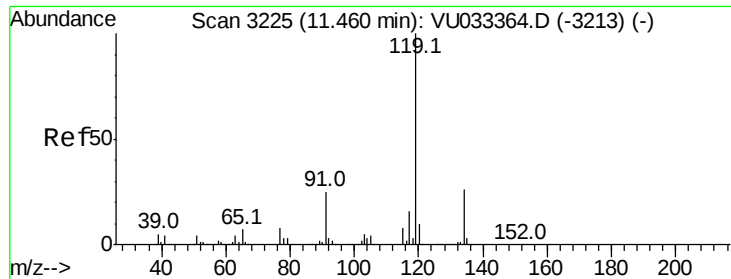
7/25/2019 2:16:43 PM



#80
 Nitrobenzene
 Concen: 35.847 ug/l
 RT: 12.85 min Scan# 3658
 Delta R.T. -0.00 min
 Lab File: VU033392.D
 Acq: 24 Jul 2019 18:41

Tgt Ion	Ratio	Lower	Upper
77	100		
123	40.5	19.3	68.3
65	13.9	10.1	12.9#



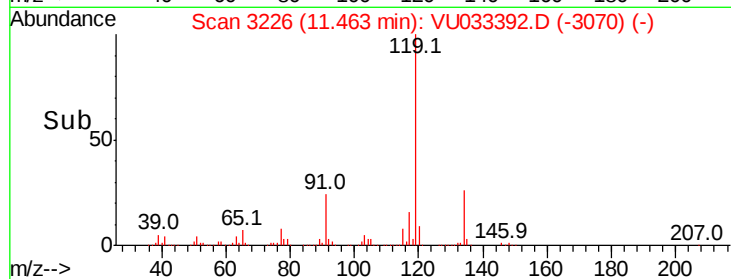
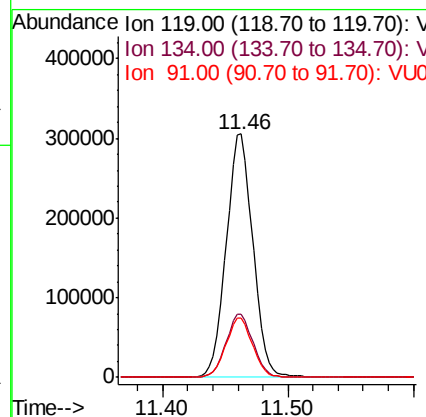
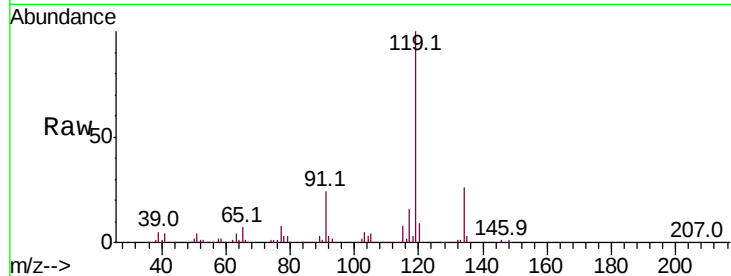


#81
 p-Isopropyltoluene
 Concen: 12.720 ug/l
 RT: 11.46 min Scan# 3226
 Delta R.T. 0.00 min
 Lab File: VU033392.D
 Acq: 24 Jul 2019 18:41

Instrument :
 MSVOA_U
 ClientSampleId :
 VSTDCCC010EC

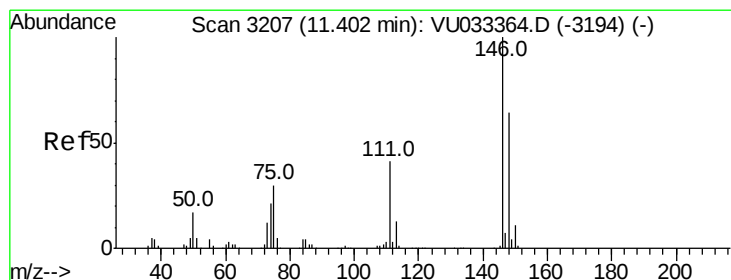
Tot Ion	Ratio	Lower	Upper
119	100		
134	26.4	21.0	31.4
91	24.3	19.8	29.6

Manual Integrations
 APPROVED



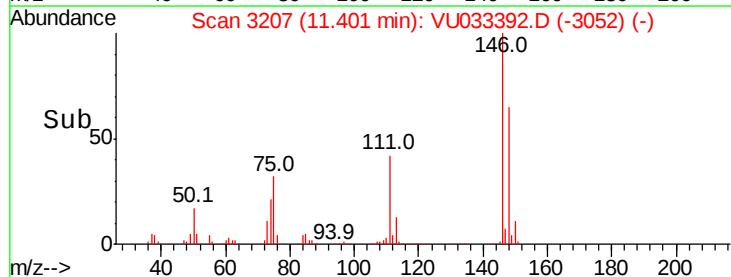
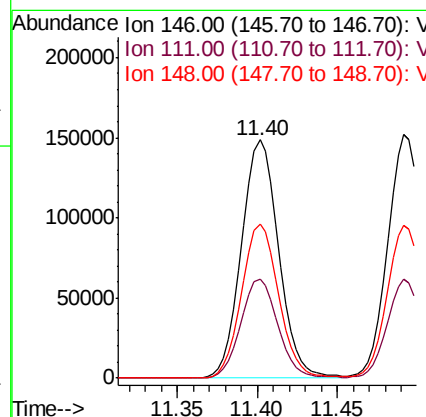
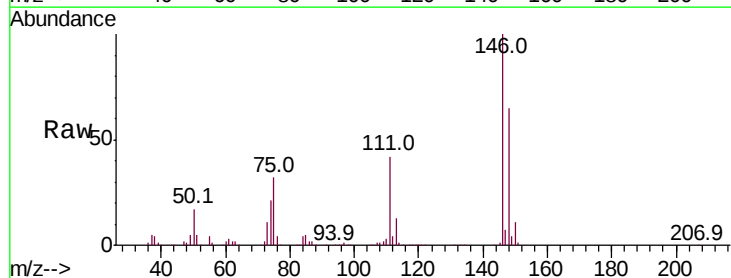
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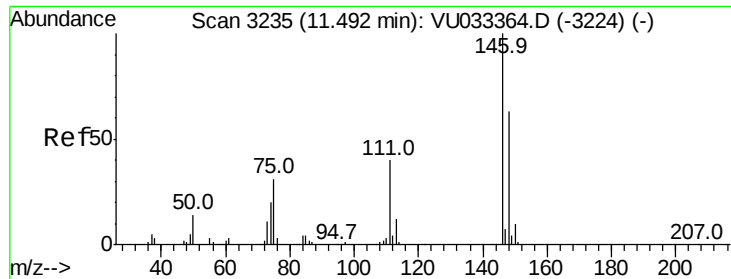
7/25/2019 2:16:43 PM



#82
 1,3-Dichlorobenzene
 Concen: 11.307 ug/l
 RT: 11.40 min Scan# 3207
 Delta R.T. -0.00 min
 Lab File: VU033392.D
 Acq: 24 Jul 2019 18:41

Tgt Ion	Ratio	Lower	Upper
146	100		
111	41.3	33.3	49.9
148	64.5	50.8	76.2



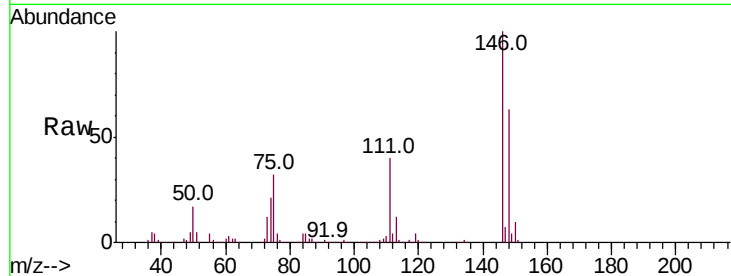


#83
1,4-Dichlorobenzene
Concen: 11.689 ug/l
RT: 11.49 min Scan# 3235
Delta R.T. -0.00 min
Lab File: VU033392.D
Acq: 24 Jul 2019 18:41

Instrument :
MSVOA_U
ClientSampleId :
VSTDCCC010EC

Tot Ion	Ratio	Lower	Upper
146	100		
111	39.7	32.2	48.4
148	63.5	51.0	76.4

Manual Integrations
APPROVED

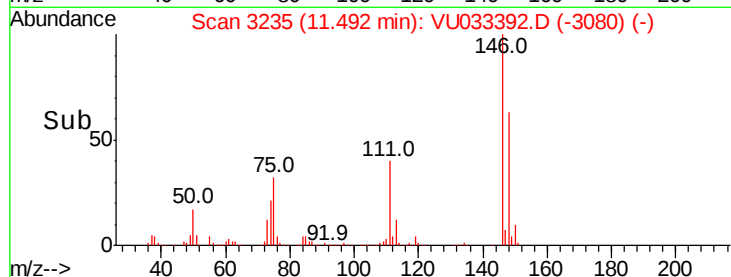
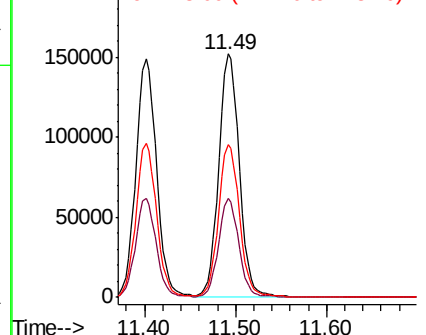


Abundance

Ion 146.00 (145.70 to 146.70): V

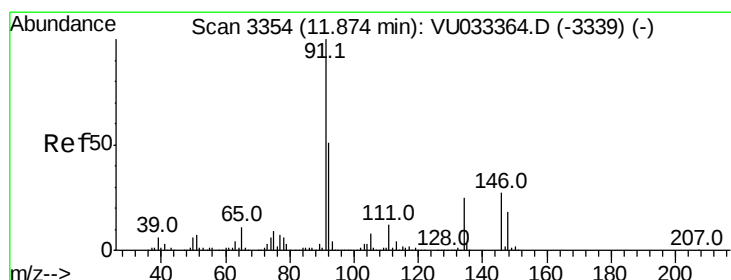
Ion 111.00 (110.70 to 111.70): V

Ion 148.00 (147.70 to 148.70): V



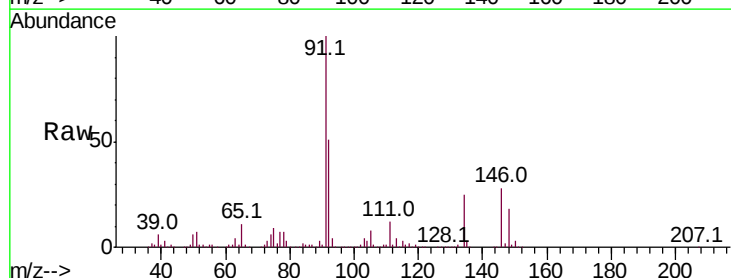
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7/25/2019 2:16:43 PM



#84
n-Butylbenzene
Concen: 12.397 ug/l
RT: 11.87 min Scan# 3354
Delta R.T. -0.00 min
Lab File: VU033392.D
Acq: 24 Jul 2019 18:41

Tgt Ion	Ratio	Lower	Upper
91	100		
92	51.2	41.0	61.6
134	24.3	19.5	29.3

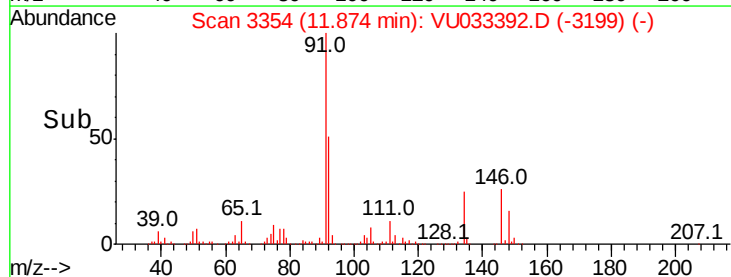
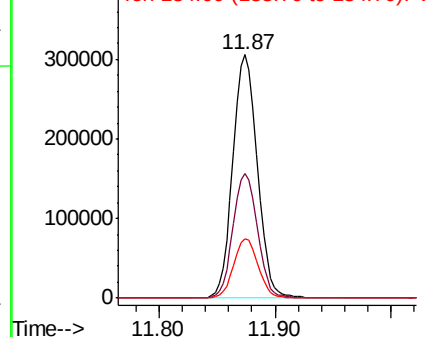


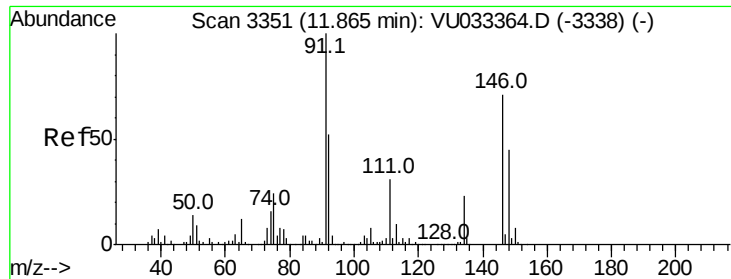
Abundance

Ion 91.00 (90.70 to 91.70): VU0

Ion 92.00 (91.70 to 92.70): VU0

Ion 134.00 (133.70 to 134.70): V





#85

1,2-Dichlorobenzene

Concen: 11.156 ug/l

RT: 11.86 min Scan# 3351

Delta R.T. -0.00 min

Lab File: VU033392.D

Acq: 24 Jul 2019 18:41

Instrument :

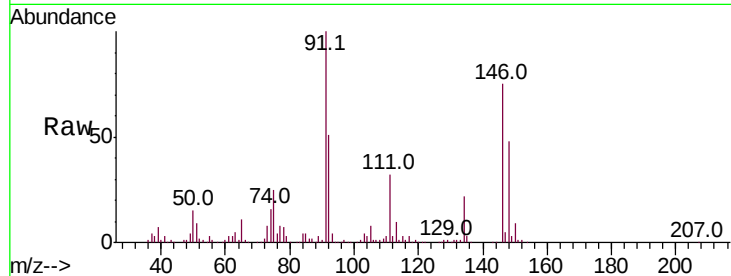
MSVOA_U

ClientSampleId :

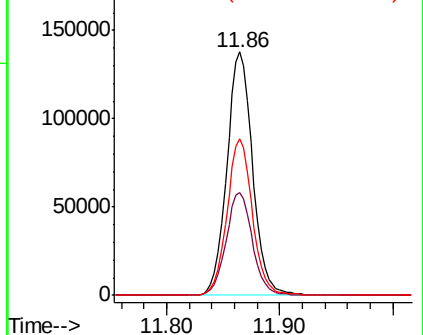
VSTDCCC010EC

Tot Ion:	146	Resp:	217830
Ion Ratio	Lower	Upper	
146	100		
111	43.1	21.7	65.1
148	63.5	32.0	96.0

Manual Integrations
APPROVED

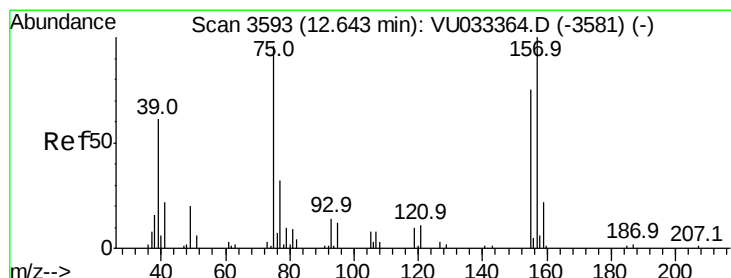
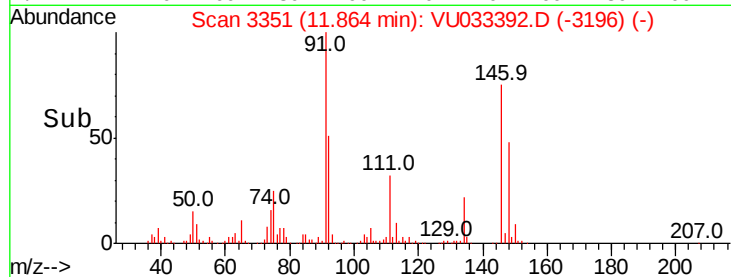


Abundance Ion 146.00 (145.70 to 146.70): V
Ion 111.00 (110.70 to 111.70): V
Ion 148.00 (147.70 to 148.70): V



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7/25/2019 2:16:43 PM



#86

1,2-Dibromo-3-Chloropropane

Concen: 10.313 ug/l

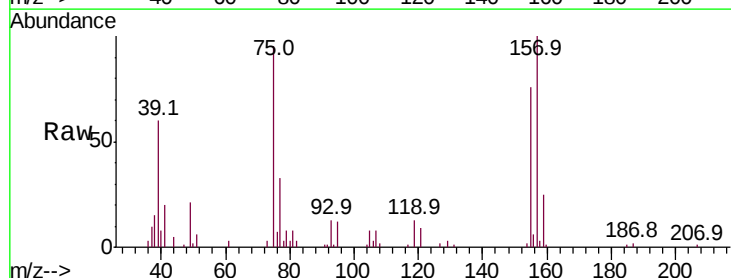
RT: 12.64 min Scan# 3593

Delta R.T. -0.00 min

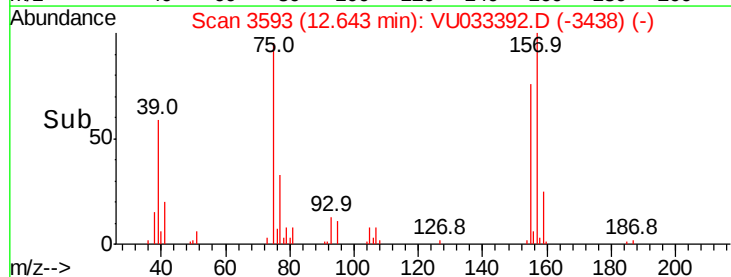
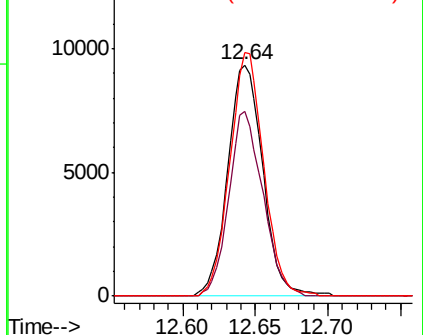
Lab File: VU033392.D

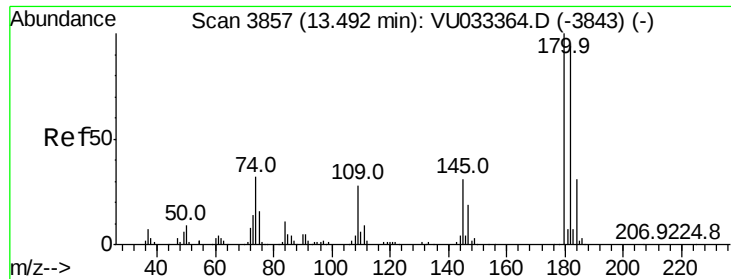
Acq: 24 Jul 2019 18:41

Tgt Ion:	75	Resp:	15713
Ion Ratio	Lower	Upper	
75	100		
155	77.0	63.3	94.9
157	101.4	82.5	123.7



Abundance Ion 75.00 (74.70 to 75.70): VU0
Ion 155.00 (154.70 to 155.70): V
Ion 157.00 (156.70 to 157.70): V



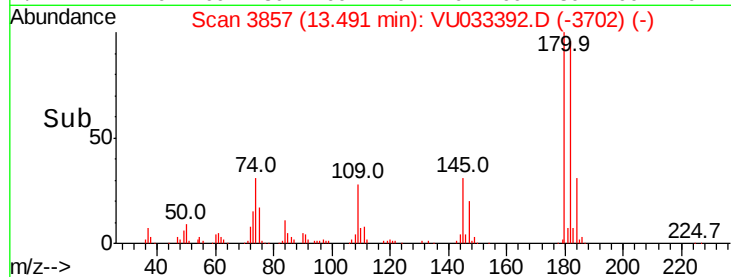
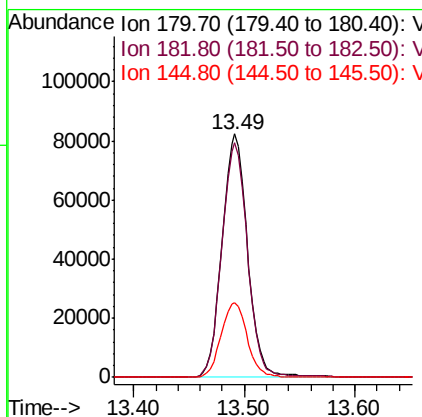
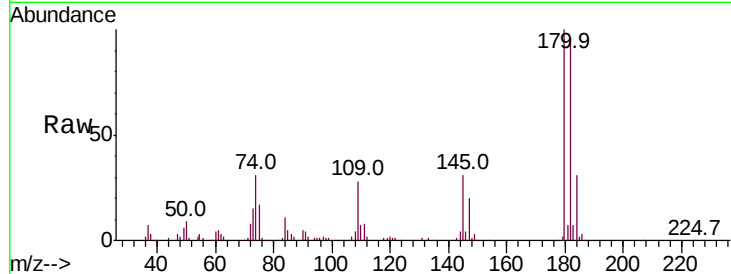


#87
 1,2,4-Trichlorobenzene
 Concen: 11.388 ug/l
 RT: 13.49 min Scan# 3857
 Delta R.T. -0.00 min
 Lab File: VU033392.D
 Acq: 24 Jul 2019 18:41

Instrument :
 MSVOA_U
 ClientSampleId :
 VSTDCCC010EC

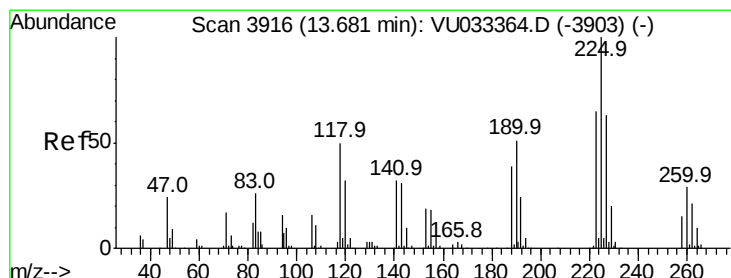
Tot Ion	Ratio	Resp	Lower	Upper
180	100			
182	96.3	76.2	114.4	
145	31.4	25.0	37.4	

Manual Integrations
 APPROVED



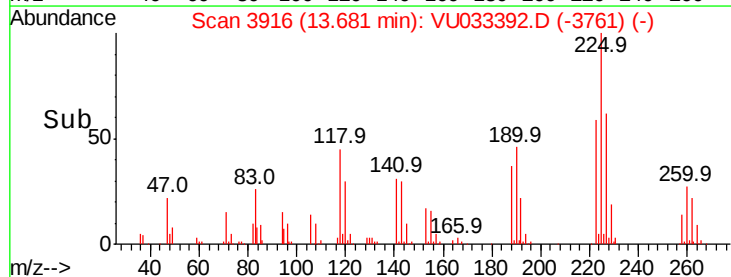
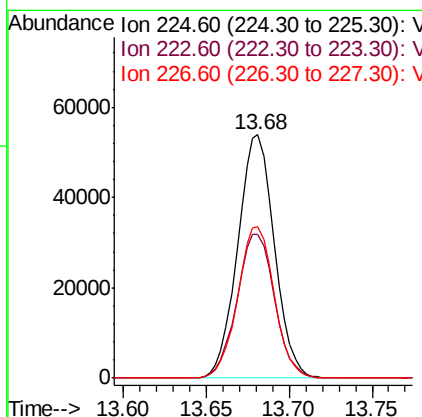
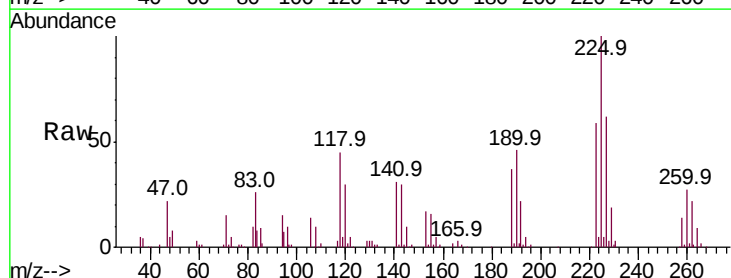
MMDadoda

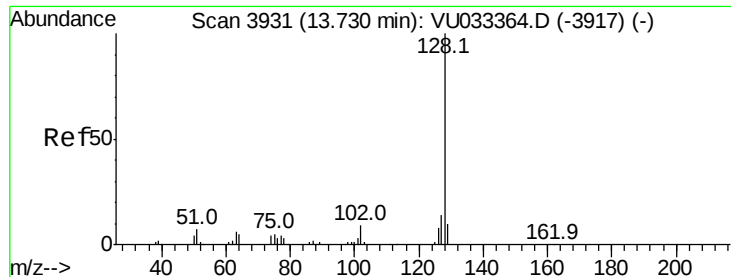
7/25/2019 2:16:43 PM



#88
 Hexachlorobutadiene
 Concen: 11.542 ug/l
 RT: 13.68 min Scan# 3916
 Delta R.T. -0.00 min
 Lab File: VU033392.D
 Acq: 24 Jul 2019 18:41

Tgt Ion	Ratio	Resp	Lower	Upper
225	100			
223	61.0	52.2	78.4	
227	62.0	51.7	77.5	



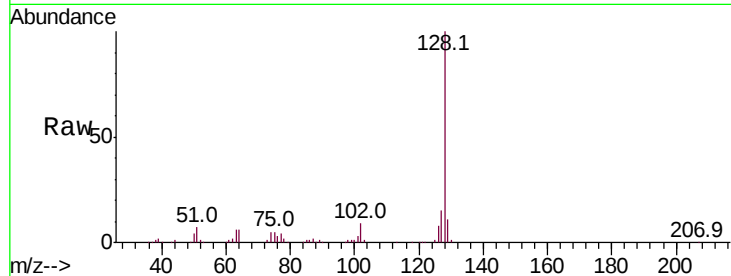


#89
Naphthalene
Concen: 8.991 ug/l
RT: 13.73 min Scan# 3931
Delta R.T. 0.00 min
Lab File: VU033392.D
Acq: 24 Jul 2019 18:41

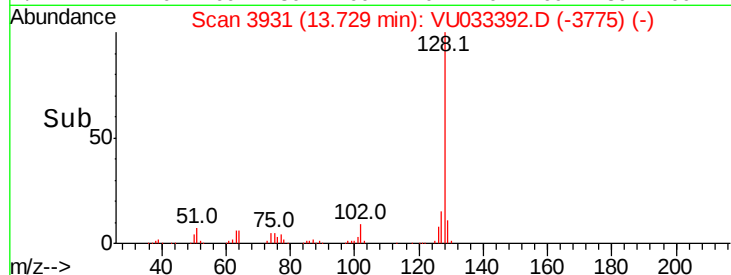
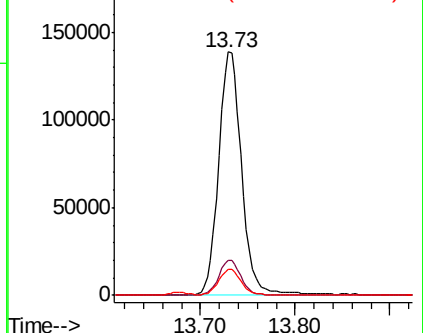
Instrument :
MSVOA_U
ClientSampleId :
VSTDCCC010EC

Tot Ion	Ratio	Lower	Upper
128	100		
127	14.1	10.8	16.2
129	10.7	8.5	12.7

Manual Integrations
APPROVED

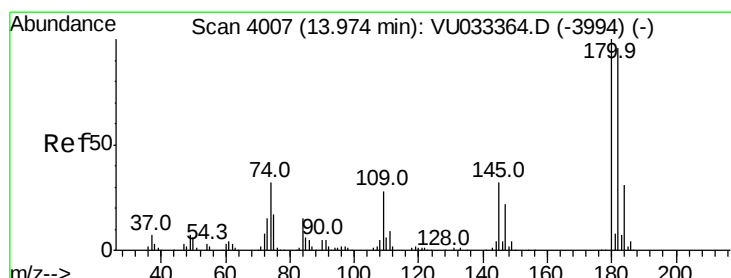


Abundance Ion 128.00 (127.70 to 128.70): V
Ion 127.00 (126.70 to 127.70): V
Ion 129.00 (128.70 to 129.70): V



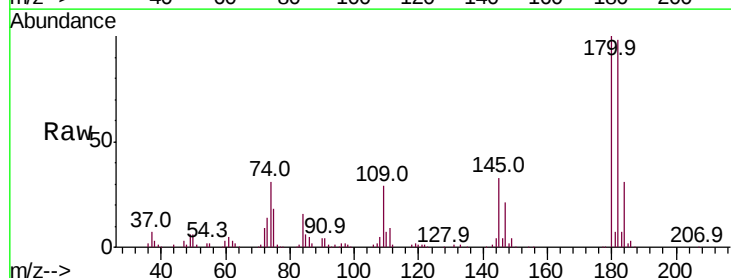
MMDadoda

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#90
1,2,3-Trichlorobenzene
Concen: 11.532 ug/l
RT: 13.97 min Scan# 4007
Delta R.T. -0.00 min
Lab File: VU033392.D
Acq: 24 Jul 2019 18:41

Tgt Ion	Ratio	Lower	Upper
180	100		
182	98.4	77.9	116.9
145	32.8	25.8	38.8



Abundance Ion 179.70 (179.40 to 180.40): V
Ion 181.70 (181.40 to 182.40): V
Ion 144.80 (144.50 to 145.50): V

