

Data Path : Z:\VOASRV\HPCHEM1\MSVOA U\DATA\VU081319\
 Data File : VU033785.D
 Acq On : 13 Aug 2019 16:46
 Operator : JC/SP
 Sample : MDL06
 Misc : 5.0mL/MSVOA U/WATER
 ALS Vial : 13 Sample Multiplier: 1

Instrument :
 MSVOA_U
 ClientSampleId :
 MDL06

Manual Integrations
 APPROVED

MMDadoda
 8/14/2019 10:44:43 AM

Quant Time: Aug 14 04:39:36 2019
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_U\METHOD\SFAMULM081319W.M
 Quant Title : VOC Analysis
 QLast Update : Wed Aug 14 04:23:45 2019
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Difluorobenzene	5.86	114	404348	50.00	ug/L	0.00
28) Chlorobenzene-d5	9.07	117	394453	50.00	ug/L	0.00
58) 1,4-Dichlorobenzene-d4	11.47	152	187342	50.00	ug/L	0.00

System Monitoring Compounds

4) Vinyl Chloride-d3	1.39	65	175689	45.75	ug/L	0.00
Spiked Amount	50.000	Range	60 - 135	Recovery	=	91.50%
7) Chloroethane-d5	1.67	69	156504	43.76	ug/L	0.00
Spiked Amount	50.000	Range	70 - 130	Recovery	=	87.52%
11) 1,1-Dichloroethene-d2	2.26	63	228818	36.48	ug/L	0.00
Spiked Amount	50.000	Range	60 - 125	Recovery	=	72.96%
21) 2-Butanone-d5	4.15	46	219051	102.53	ug/L	0.00
Spiked Amount	100.000	Range	40 - 130	Recovery	=	102.53%
24) Chloroform-d	4.62	84	280425	46.76	ug/L	0.00
Spiked Amount	50.000	Range	70 - 125	Recovery	=	93.52%
26) 1,2-Dichloroethane-d4	5.29	65	182083	49.04	ug/L	0.00
Spiked Amount	50.000	Range	70 - 125	Recovery	=	98.08%
32) Benzene-d6	5.32	84	572063	50.62	ug/L	0.00
Spiked Amount	50.000	Range	70 - 125	Recovery	=	101.24%
36) 1,2-Dichloropropane-d6	6.31	67	183299	50.19	ug/L	0.00
Spiked Amount	50.000	Range	70 - 120	Recovery	=	100.38%
41) Toluene-d8	7.55	98	513732	48.75	ug/L	0.00
Spiked Amount	50.000	Range	80 - 120	Recovery	=	97.50%
43) trans-1,3-Dichloropropene-	7.83	79	84664	48.58	ug/L	0.00
Spiked Amount	50.000	Range	60 - 125	Recovery	=	97.16%
47) 2-Hexanone-d5	8.30	63	150693	103.12	ug/L	0.00
Spiked Amount	100.000	Range	45 - 130	Recovery	=	103.12%
56) 1,1,2,2-Tetrachloroethane-	10.41	84	250713	48.10	ug/L	0.00
Spiked Amount	50.000	Range	65 - 120	Recovery	=	96.20%
66) 1,2-Dichlorobenzene-d4	11.84	152	194273	51.33	ug/L	0.00
Spiked Amount	50.000	Range	80 - 120	Recovery	=	102.66%

Target Compounds

					Ovalue
2) Dichlorodifluoromethane	1.20	85	10549	2.617 ug/L	92
3) Chloromethane	1.32	50	10894	2.603 ug/L	100
5) Vinyl chloride	1.39	62	11744	2.592 ug/L #	65
6) Bromomethane	1.62	94	8371	2.517 ug/L	97
8) Chloroethane	1.69	64	7388	2.281 ug/L	95
9) Trichlorofluoromethane	1.87	101	14375	2.469 ug/L	98
10) 1,1,2-Trichloro-1,2,2-trif	2.27	101	9624	3.377 ug/L #	84
12) 1,1-Dichloroethene	2.27	96	8428	3.006 ug/L #	1
13) Acetone	2.32	43	10595	5.445 ug/L	96
14) Carbon disulfide	2.46	76	23109	2.603 ug/L	100
15) Methyl Acetate	2.61	43	8559	2.631 ug/L #	85
16) Methylene chloride	2.68	84	8706	2.720 ug/L	99
17) trans-1,2-Dichloroethene	2.96	96	7801	2.673 ug/L	90
18) Methyl tert-butyl Ether	2.98	73	20662	2.382 ug/L	97
19) 1,1-Dichloroethane	3.43	63	13657	2.436 ug/L	97
20) cis-1,2-Dichloroethene	4.20	96	8159	2.546 ug/L	94
22) 2-Butanone	4.27	43	10734m	4.541 ug/L	

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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)

23) Bromochloromethane	4.53	128	4433m	2.670	ug/L	
25) Chloroform	4.65	83	18464	3.169	ug/L	99
27) 1,2-Dichloroethane	5.39	62	10760	2.377	ug/L	98
29) Cyclohexane	4.97	56	10665	2.460	ug/L	96
30) 1,1,1-Trichloroethane	4.89	97	12424	2.568	ug/L	98
31) Carbon tetrachloride	5.12	117	11288	2.627	ug/L	98
33) Benzene	5.37	78	31424	2.604	ug/L	100
34) Trichloroethene	6.17	95	8161	2.553	ug/L	94
35) Methylcyclohexane	6.40	83	11356	2.437	ug/L	98
37) 1,2-Dichloropropane	6.41	63	9069	2.758	ug/L	99
38) Bromodichloromethane	6.74	83	10539	2.484	ug/L	97
39) cis-1,3-Dichloropropene	7.25	75	11681	2.406	ug/L	100
40) 4-Methyl-2-pentanone	7.45	43	18805	4.596	ug/L	99
42) Toluene	7.62	91	32805	2.574	ug/L	100
44) trans-1,3-Dichloropropene	7.86	75	10321	2.334	ug/L	100
45) 1,1,2-Trichloroethane	8.05	97	7494	2.415	ug/L	96
46) Tetrachloroethene	8.21	164	6110	2.437	ug/L	94
48) 2-Hexanone	8.35	43	22576	7.209	ug/L #	91
49) Dibromochloromethane	8.46	129	8745	2.524	ug/L	92
50) 1,2-Dibromoethane	8.57	107	8638	2.653	ug/L	93
51) Chlorobenzene	9.10	112	21931	2.644	ug/L	90
52) Ethylbenzene	9.23	91	32762	2.443	ug/L	96
53) m,p-Xylene	9.36	106	11646	2.323	ug/L	95
54) o-xylene	9.76	106	11479	2.327	ug/L	96
55) Styrene	9.78	104	16520	1.973	ug/L	95
57) 1,1,2,2-Tetrachloroethane	10.44	83	14214	2.738	ug/L #	96
59) Bromoform	9.94	173	6295	2.630	ug/L #	98
60) 1,2,3-Trichloropropane	10.48	75	10467	2.777	ug/L	97
61) Isopropylbenzene	10.15	105	27398	2.362	ug/L	97
62) 1,3,5-Trimethylbenzene	10.76	105	21329	2.278	ug/L	96
63) 1,2,4-Trimethylbenzene	11.13	105	19994	2.152	ug/L	99
64) 1,3-Dichlorobenzene	11.40	146	15468	2.658	ug/L	98
65) 1,4-Dichlorobenzene	11.49	146	17234	2.890	ug/L	97
67) 1,2-Dichlorobenzene	11.86	146	17205	2.910	ug/L	90
68) 1,2-Dibromo-3-chloropropan	12.65	75	2677	2.546	ug/L	91
69) 1,3,5-Trichlorobenzene	12.88	180	11591	2.637	ug/L	93
70) 1,2,4-trichlorobenzene	13.49	180	8211	2.253	ug/L	97
71) Naphthalene	13.74	128	16574	1.528	ug/L	97
72) 1,2,3-Trichlorobenzene	13.98	180	9258	2.423	ug/L	89

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

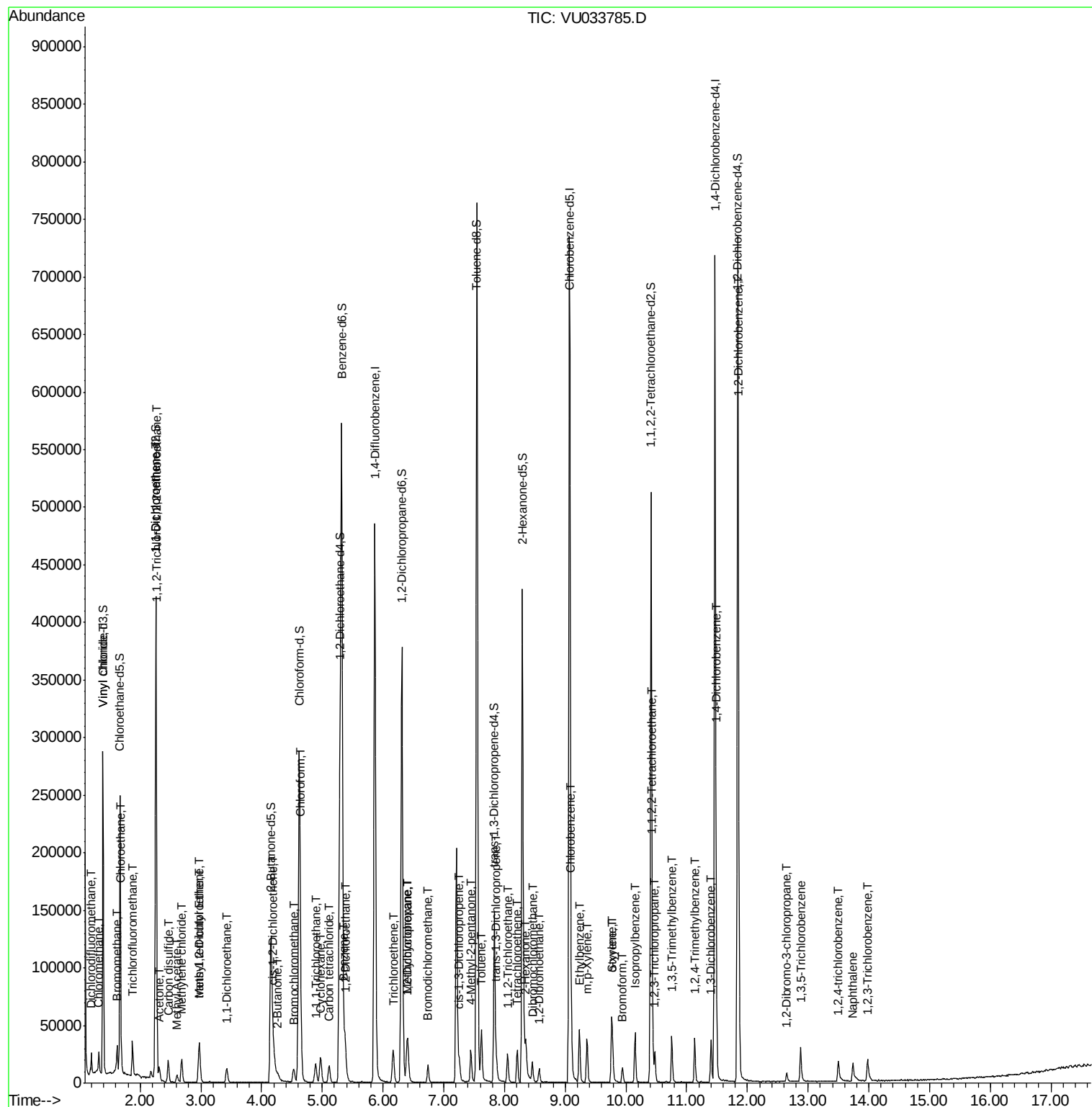
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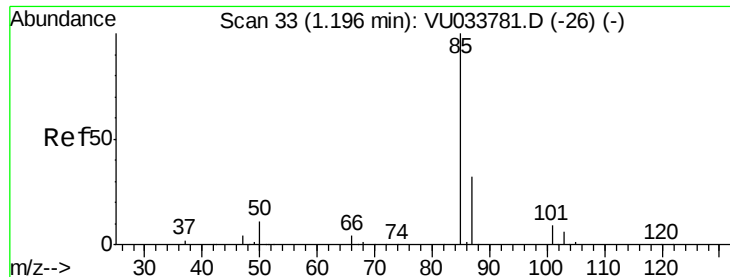
Instrument :
MSVOA_U
ClientSampled :
MDL06

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#2

Dichlorodifluoromethane

Concen: 2.617 ug/L

RT: 1.20 min Scan# 33

Delta R.T. 0.00 min

Lab File: VU033785.D

Acq: 13 Aug 2019 16:46

Instrument :

MSVOA_U

ClientSampleId :

MDL06

Tot Ion: 85 Resp: 10549

Ion Ratio Lower Upper

85 100

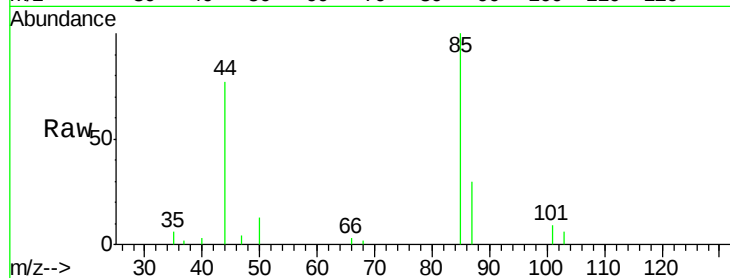
87 28.4 26.4 39.6

Manual Integrations

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Abundance Ion 85.00 (84.70 to 85.70): VU033785.D (-26) (-)

Ion 87.00 (86.70 to 87.70): VU033785.D (-26) (-)

12000

10000

8000

6000

4000

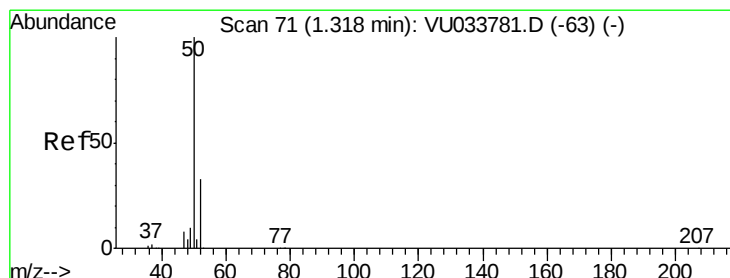
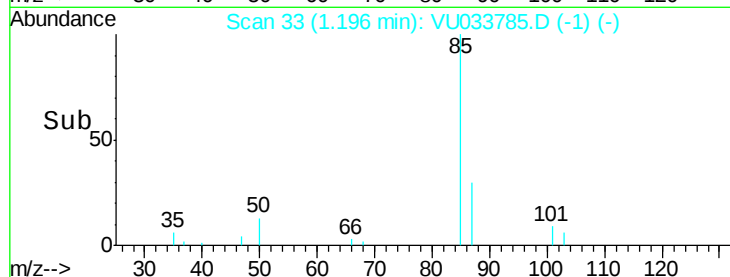
2000

0

1.20

1.25

Time-->



#3

Chloromethane

Concen: 2.603 ug/L

RT: 1.32 min Scan# 71

Delta R.T. 0.00 min

Lab File: VU033785.D

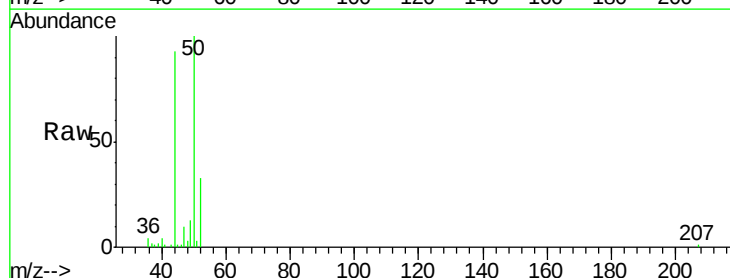
Acq: 13 Aug 2019 16:46

Tgt Ion: 50 Resp: 10894

Ion Ratio Lower Upper

50 100

52 33.5 23.5 43.7



Abundance Ion 50.00 (49.70 to 50.70): VU033785.D (-63) (-)

Ion 52.00 (51.70 to 52.70): VU033785.D (-63) (-)

10000

8000

6000

4000

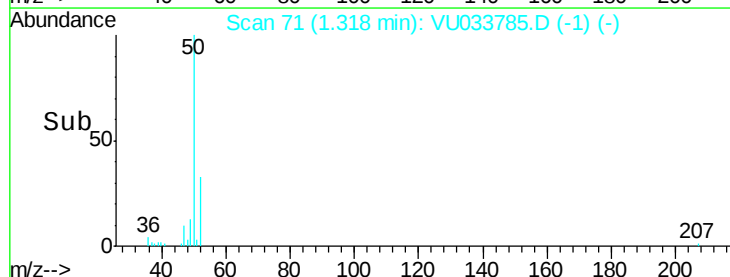
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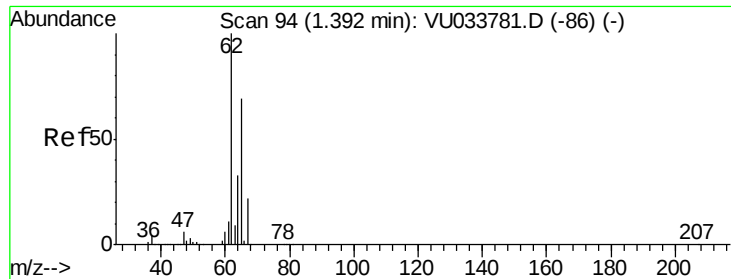
0

1.32

1.35

Time-->





#5

Vinyl chloride

Concen: 2.592 ug/L

RT: 1.39 min Scan# 94

Delta R.T. 0.00 min

Lab File: VU033785.D

Acq: 13 Aug 2019 16:46

Instrument :

MSVOA_U

ClientSampleId :

MDL06

Tot Ion: 62 Resp: 11744

Ion Ratio Lower Upper

62 100

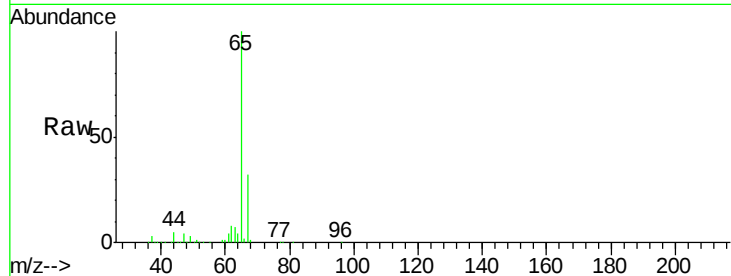
64 51.3 22.3 41.5#

Manual Integrations

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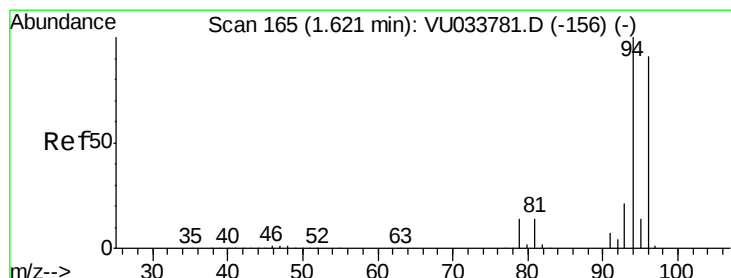
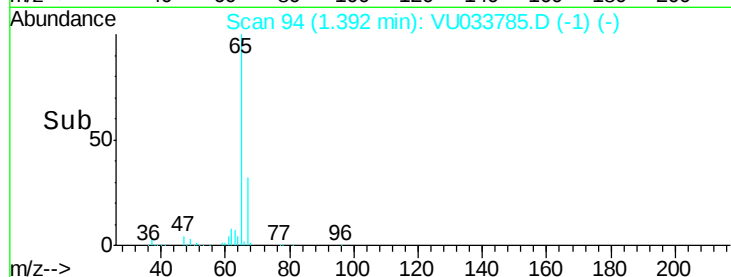
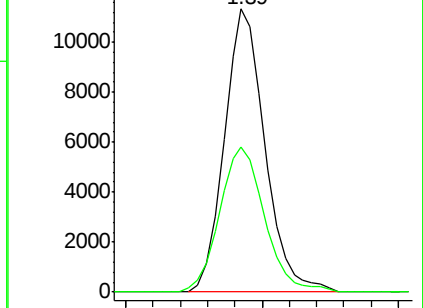
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Abundance Ion 62.00 (61.70 to 62.70): VU033785.D (-86) (-)

Ion 64.00 (63.70 to 64.70): VU033785.D (-86) (-)



#6

Bromomethane

Concen: 2.517 ug/L

RT: 1.62 min Scan# 165

Delta R.T. 0.00 min

Lab File: VU033785.D

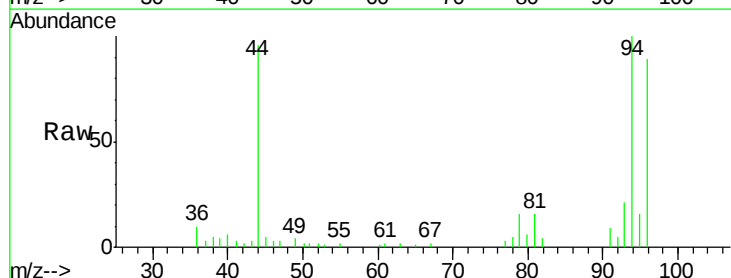
Acq: 13 Aug 2019 16:46

Tgt Ion: 94 Resp: 8371

Ion Ratio Lower Upper

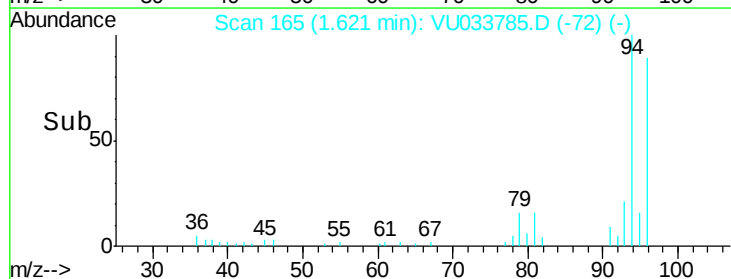
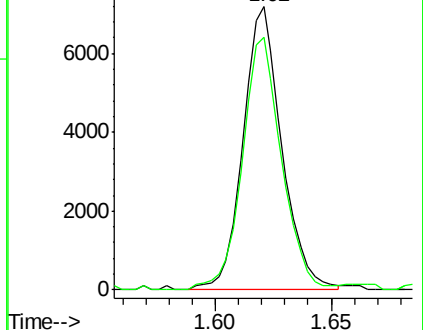
94 100

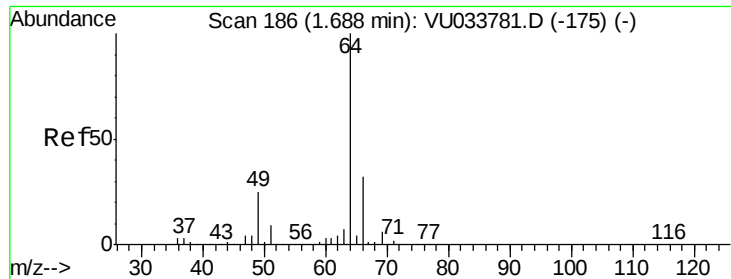
96 89.3 64.5 119.7



Abundance Ion 94.00 (93.70 to 94.70): VU033785.D (-156) (-)

Ion 96.00 (95.70 to 96.70): VU033785.D (-156) (-)





#8

Chloroethane

Concen: 2.281 ug/L

RT: 1.69 min Scan# 186

Delta R.T. 0.00 min

Lab File: VU033785.D

Acq: 13 Aug 2019 16:46

Instrument :

MSVOA_U

ClientSampled :

MDL06

Tot Ion: 64 Resp: 7388

Ion Ratio Lower Upper

64 100

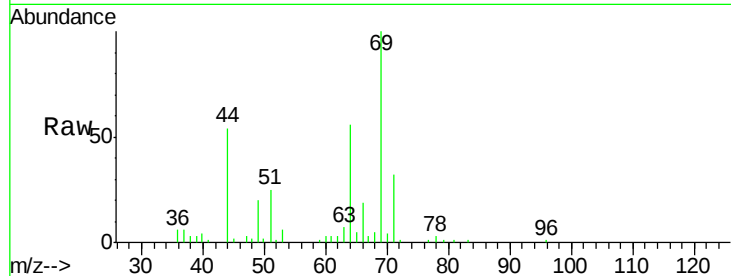
66 34.0 21.9 40.7

Manual Integrations

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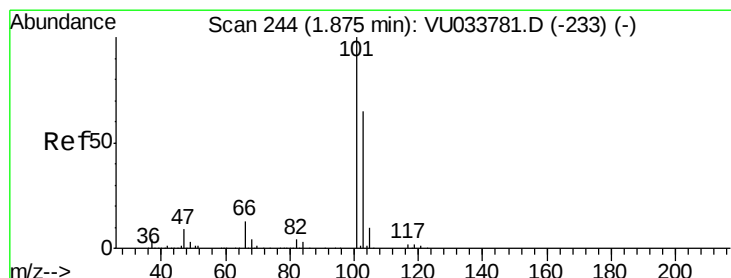
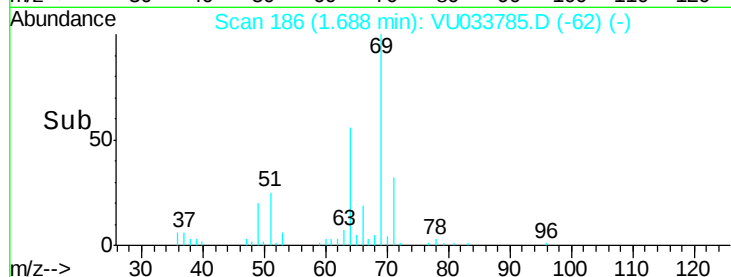
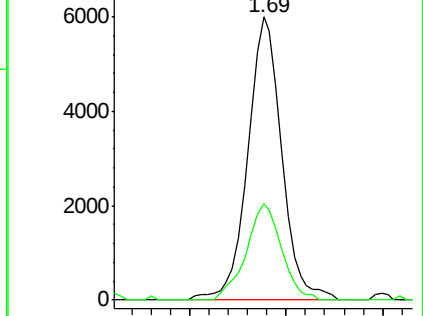
MMDadoda

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Abundance Ion 64.00 (63.70 to 64.70): VU033785.D (-175) (-)

Ion 66.00 (65.70 to 66.70): VU033785.D (-175) (-)



#9

Trichlorofluoromethane

Concen: 2.469 ug/L

RT: 1.87 min Scan# 244

Delta R.T. 0.00 min

Lab File: VU033785.D

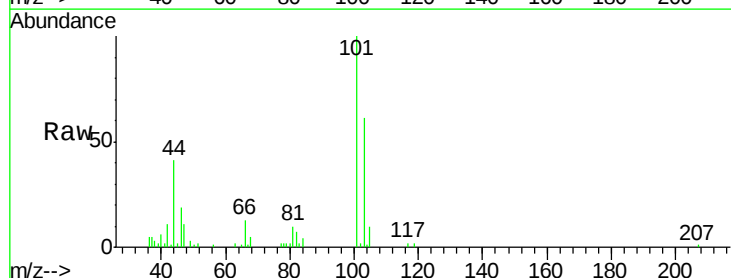
Acq: 13 Aug 2019 16:46

Tgt Ion: 101 Resp: 14375

Ion Ratio Lower Upper

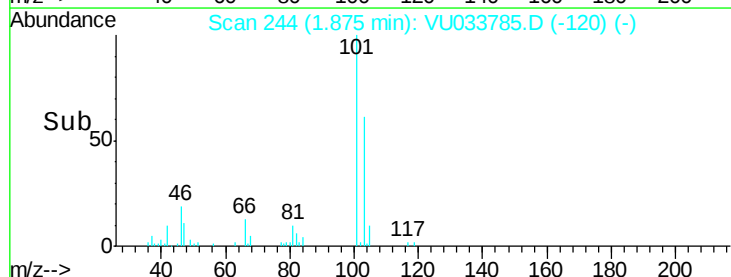
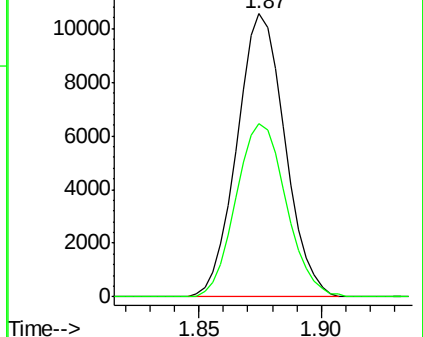
101 100

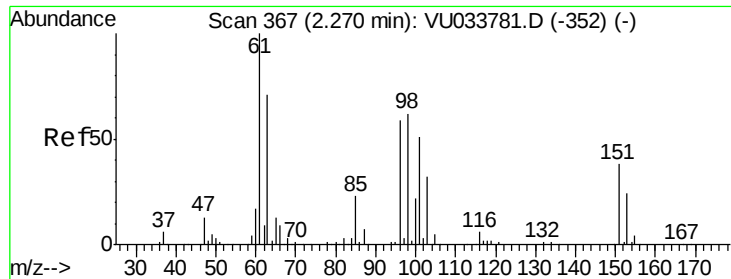
103 64.1 52.2 78.4



Abundance Ion 101.00 (100.70 to 101.70): VU033785.D (-233) (-)

Ion 103.00 (102.70 to 103.70): VU033785.D (-233) (-)





#10

1,1,2-Trichloro-1,2,2-trifluoroethane

Concen: 3.377 ug/L

RT: 2.27 min Scan# 368

Delta R.T. 0.00 min

Lab File: VU033785.D

Acq: 13 Aug 2019 16:46

Instrument :

MSVOA_U

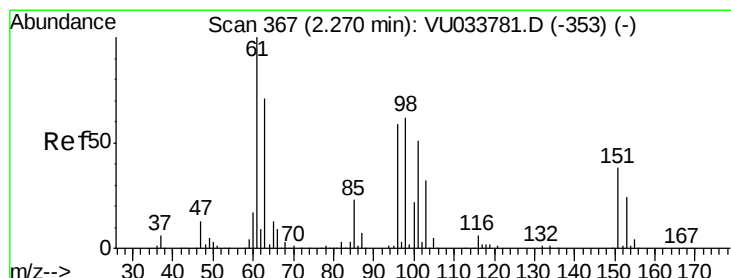
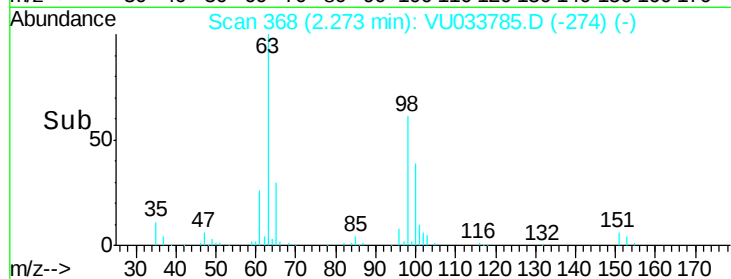
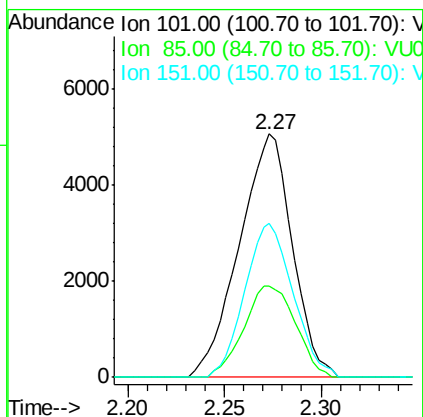
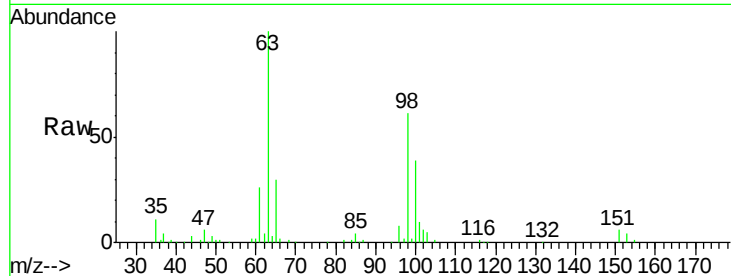
ClientSampleId :

MDL06

Tot Ion:	101	Resp:	9624
Ion Ratio	Lower	Upper	
101	100		
85	36.6	35.2	52.8
151	57.6	58.5	87.7#

Manual Integrations
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#12

1,1-Dichloroethene

Concen: 3.006 ug/L

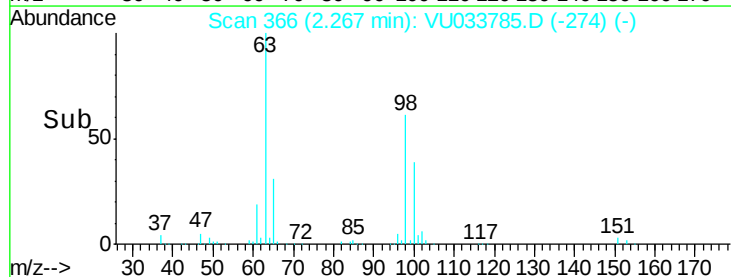
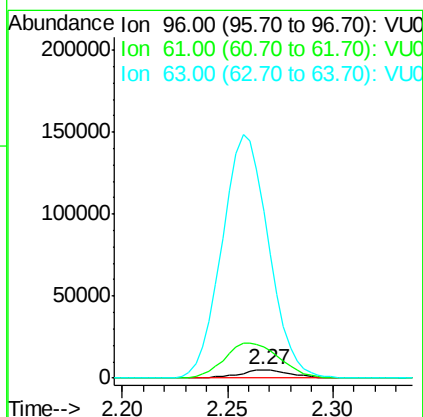
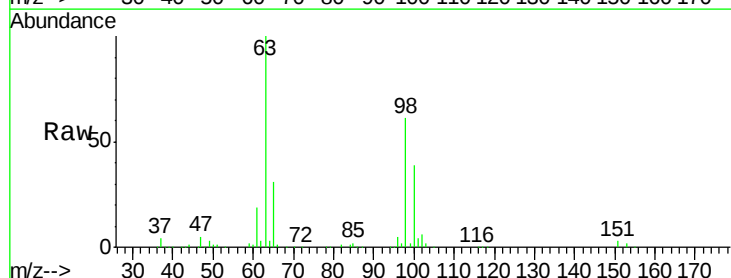
RT: 2.27 min Scan# 366

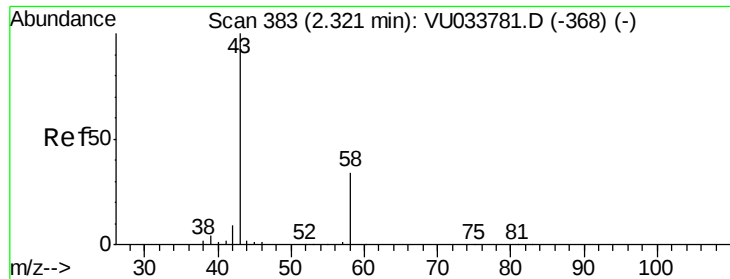
Delta R.T. -0.00 min

Lab File: VU033785.D

Acq: 13 Aug 2019 16:46

Tgt Ion:	96	Resp:	8428
Ion Ratio	Lower	Upper	
96	100		
61	369.0	121.5	225.7#
63	1988.3	92.9	172.5#





#13

Acetone

Concen: 5.445 ug/L

RT: 2.32 min Scan# 381

Delta R.T. -0.01 min

Lab File: VU033785.D

Acq: 13 Aug 2019 16:46

Instrument :

MSVOA_U

ClientSampleId :

MDL06

Tot Ion: 43 Resp: 10595

Ion Ratio Lower Upper

43 100

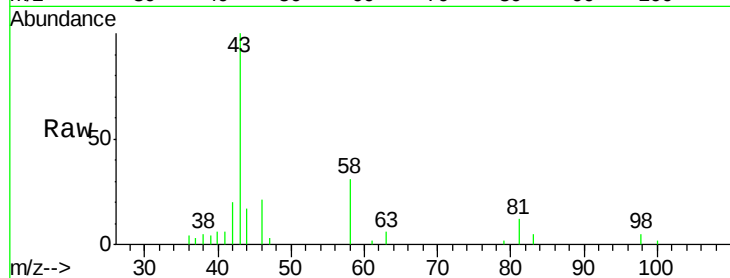
58 30.7 0.0 65.8

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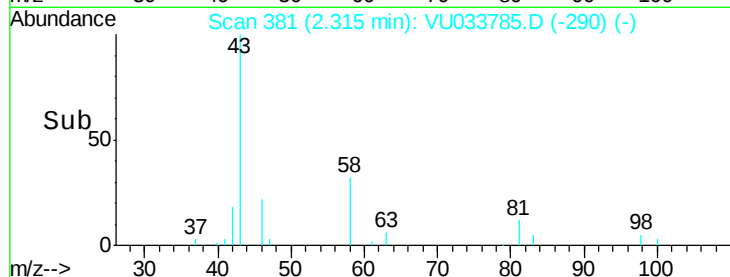


Abundance Ion 43.00 (42.70 to 43.70): VU033781.D (-368) (-)

Ion 58.00 (57.70 to 58.70): VU033781.D (-368) (-)

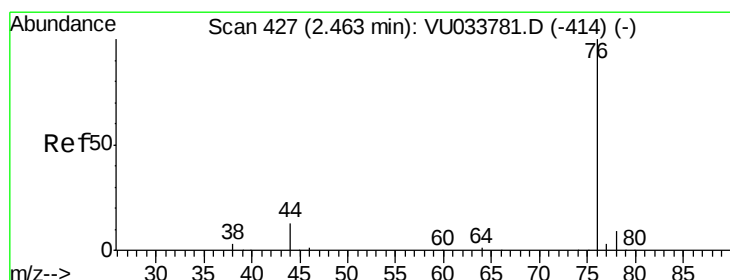
2.32

Time-->



2.32

Time-->



#14

Carbon disulfide

Concen: 2.603 ug/L

RT: 2.46 min Scan# 427

Delta R.T. 0.00 min

Lab File: VU033785.D

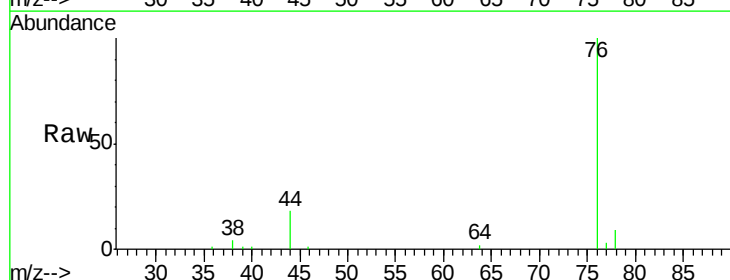
Acq: 13 Aug 2019 16:46

Tgt Ion: 76 Resp: 23109

Ion Ratio Lower Upper

76 100

78 9.1 7.3 10.9

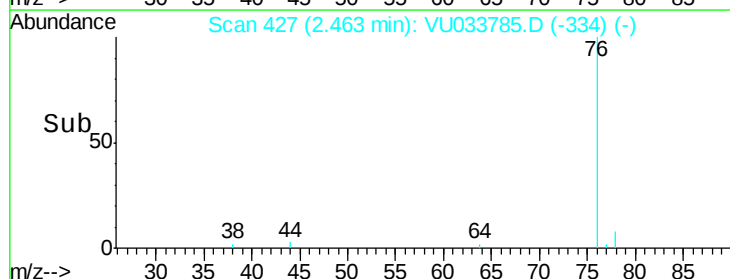


Abundance Ion 76.00 (75.70 to 76.70): VU033781.D (-414) (-)

Ion 78.00 (77.70 to 78.70): VU033781.D (-414) (-)

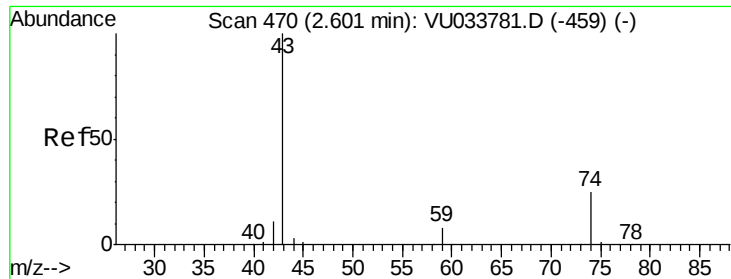
2.46

Time-->



2.46

Time-->



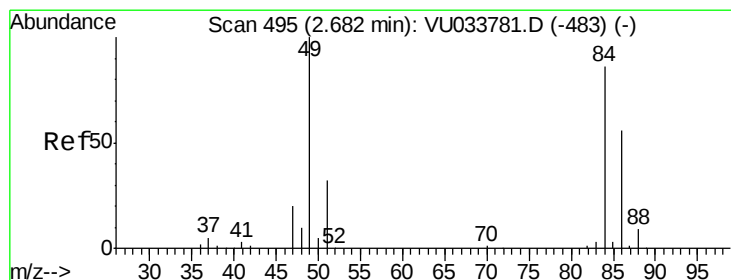
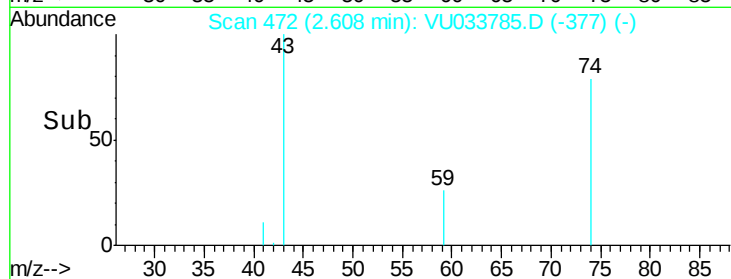
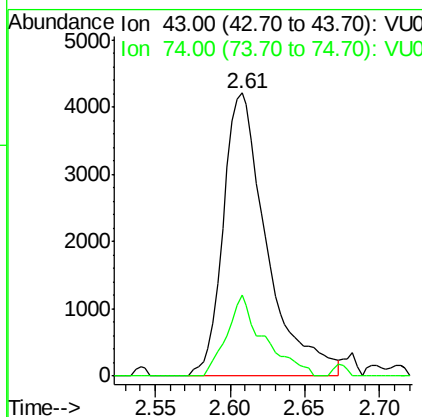
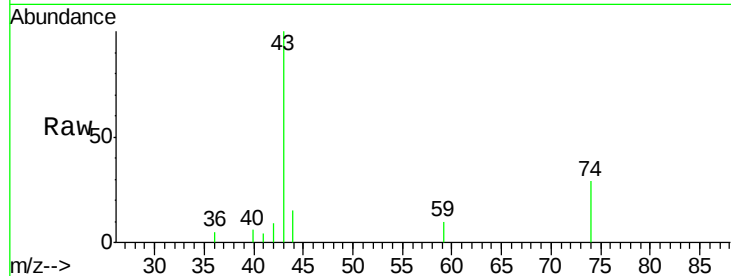
#15
Methyl Acetate
Concen: 2.631 ug/L
RT: 2.61 min Scan# 472
Delta R.T. 0.01 min
Lab File: VU033785.D
Acq: 13 Aug 2019 16:46

Instrument :
MSVOA_U
ClientSampleId :
MDL06

Tot Ion: 43 Resp: 8559
Ion Ratio Lower Upper
43 100
74 17.9 20.3 30.5#

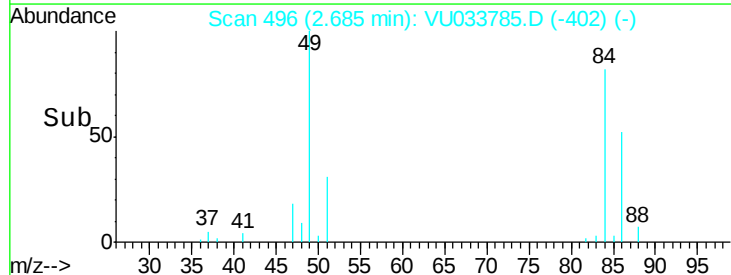
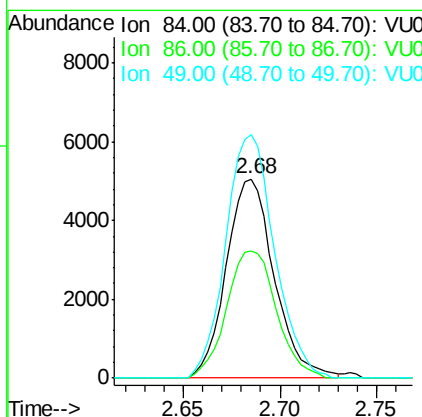
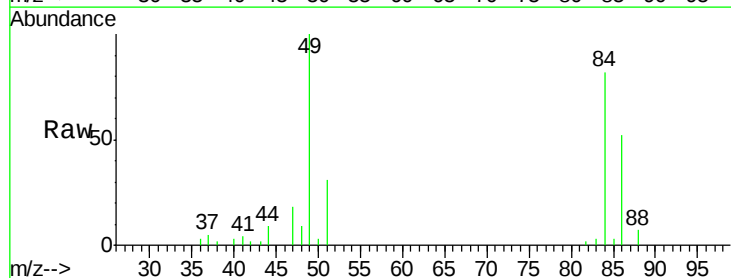
Manual Integrations
APPROVED

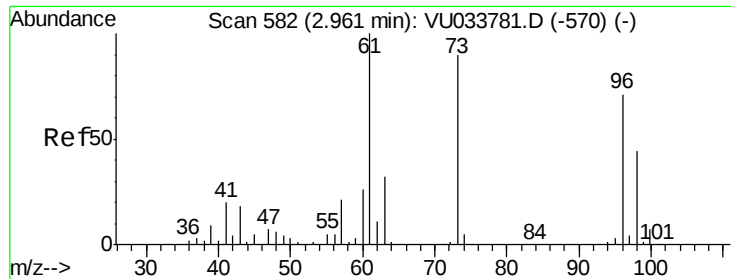
MMDadoda
8/14/2019 10:44:43 AM



#16
Methylene chloride
Concen: 2.720 ug/L
RT: 2.68 min Scan# 496
Delta R.T. 0.00 min
Lab File: VU033785.D
Acq: 13 Aug 2019 16:46

Tgt Ion: 84 Resp: 8706
Ion Ratio Lower Upper
84 100
86 64.1 45.4 84.4
49 122.1 84.9 157.7





#17

trans-1,2-Dichloroethene

Concen: 2.673 ug/L

RT: 2.96 min Scan# 583

Delta R.T. 0.00 min

Lab File: VU033785.D

Acq: 13 Aug 2019 16:46

Instrument :

MSVOA_U

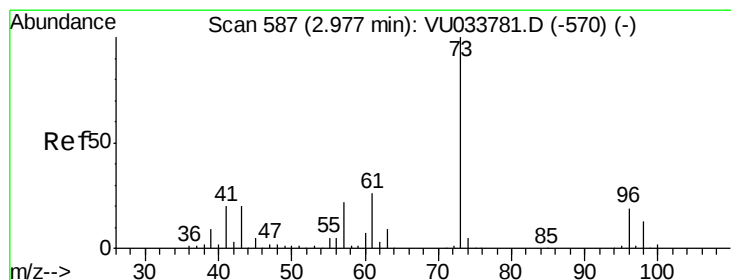
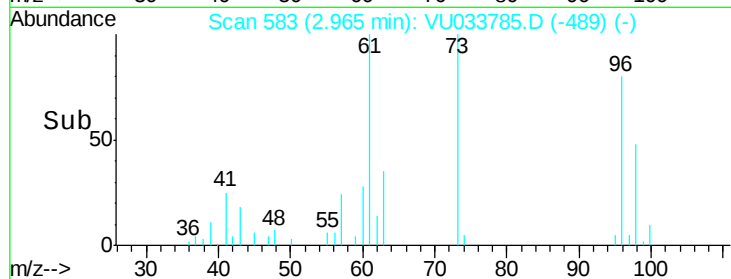
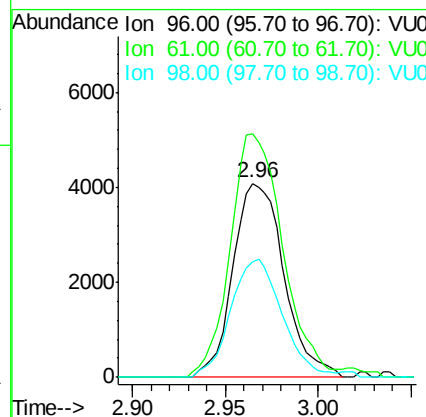
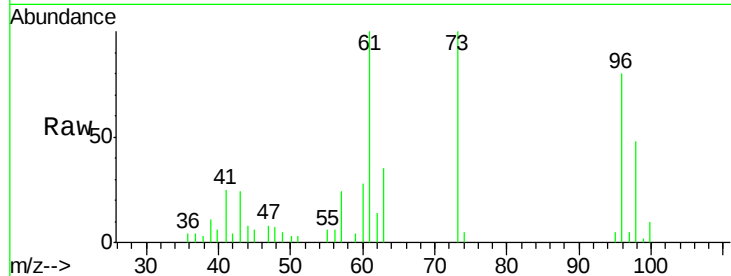
ClientSampleId :

MDL06

Tot Ion:	96	Resp:	7801
Ion	Ratio	Lower	Upper
96	100		
61	125.5	98.8	183.6
98	59.8	44.6	82.8

Manual Integrations
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8/14/2019 10:44:43 AM



#18

Methyl tert-butyl Ether

Concen: 2.382 ug/L

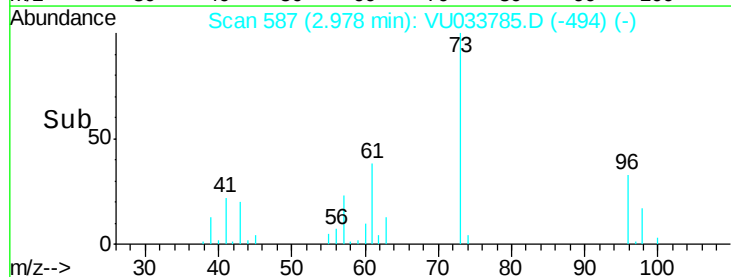
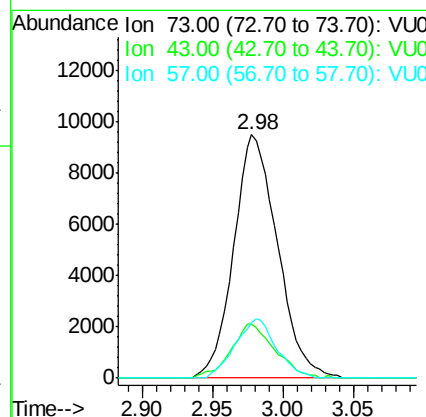
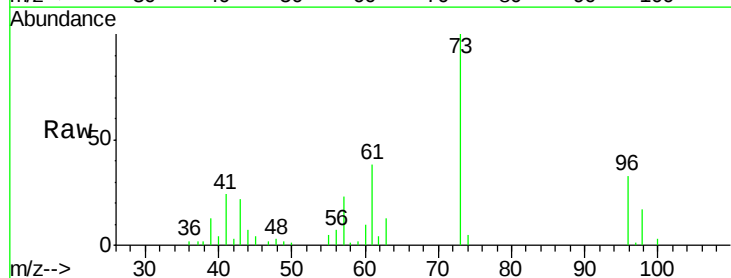
RT: 2.98 min Scan# 587

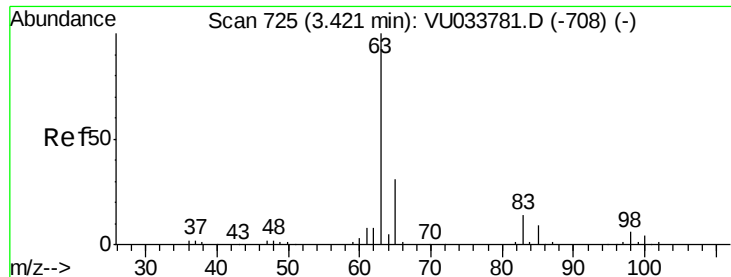
Delta R.T. 0.00 min

Lab File: VU033785.D

Acq: 13 Aug 2019 16:46

Tgt Ion:	73	Resp:	20662
Ion	Ratio	Lower	Upper
73	100		
43	22.3	15.4	23.2
57	22.8	17.9	26.9





#19

1,1-Dichloroethane

Concen: 2.436 ug/L

RT: 3.43 min Scan# 727

Delta R.T. 0.01 min

Lab File: VU033785.D

Acq: 13 Aug 2019 16:46

Instrument :

MSVOA_U

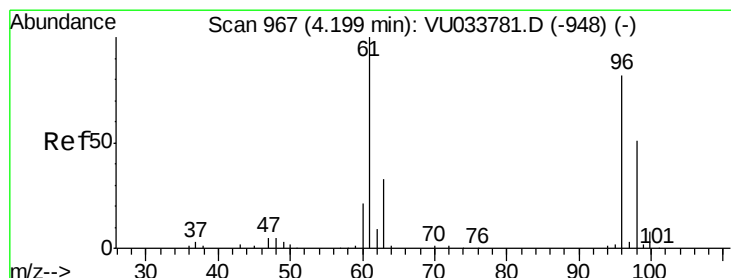
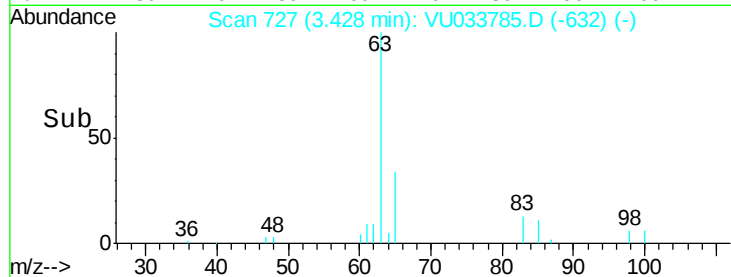
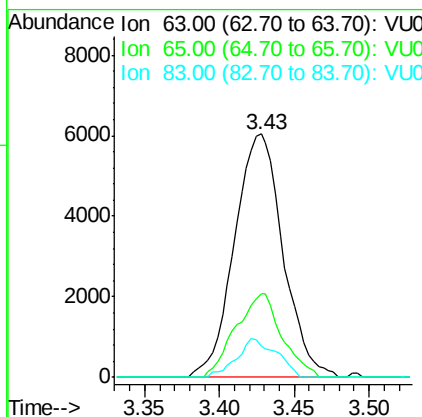
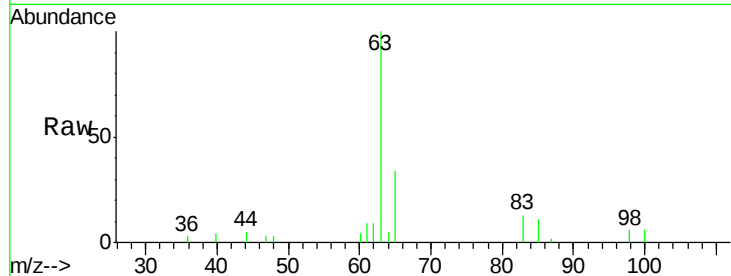
ClientSampleId :

MDL06

Tot Ion:	63	Resp:	13657
Ion	Ratio	Lower	Upper
63	100		
65	34.4	22.8	42.4
83	13.1	9.5	17.7

Manual Integrations
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#20

cis-1,2-Dichloroethene

Concen: 2.546 ug/L

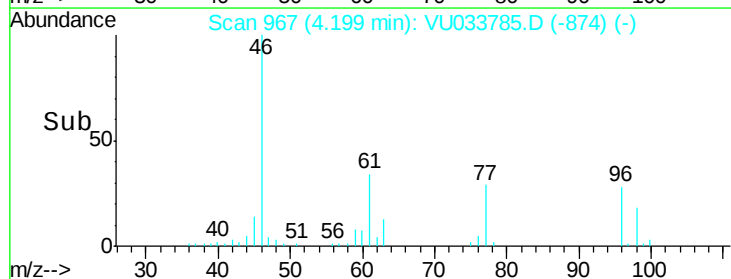
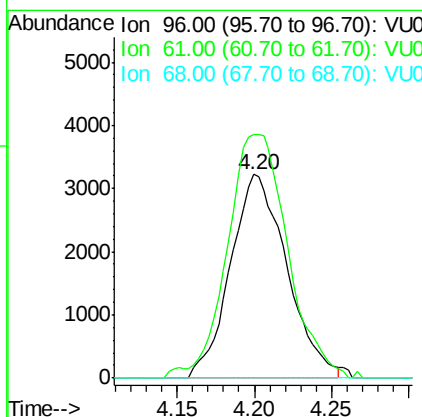
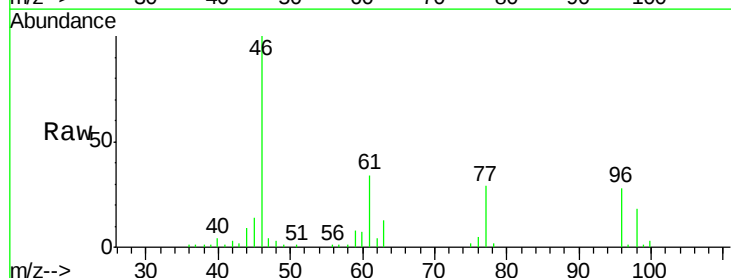
RT: 4.20 min Scan# 967

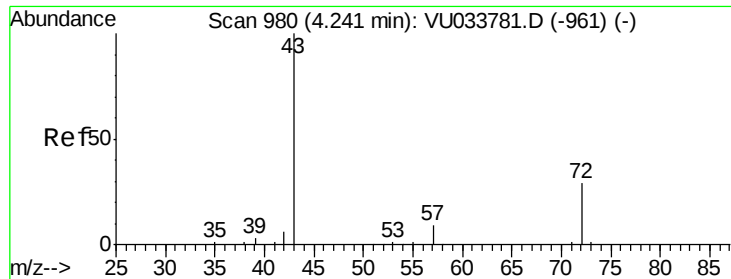
Delta R.T. 0.00 min

Lab File: VU033785.D

Acq: 13 Aug 2019 16:46

Tgt Ion:	96	Resp:	8159
Ion	Ratio	Lower	Upper
96	100		
61	119.5	88.3	163.9
68	0.0	0.0	0.0





#22

2-Butanone

Concen: 4.541 ug/L m

RT: 4.27 min Scan# 989

Delta R.T. 0.03 min

Lab File: VU033785.D

Acq: 13 Aug 2019 16:46

Instrument :

MSVOA_U

ClientSampled :

MDL06

Tot Ion: 43 Resp: 10734

Ion Ratio Lower Upper

43 100

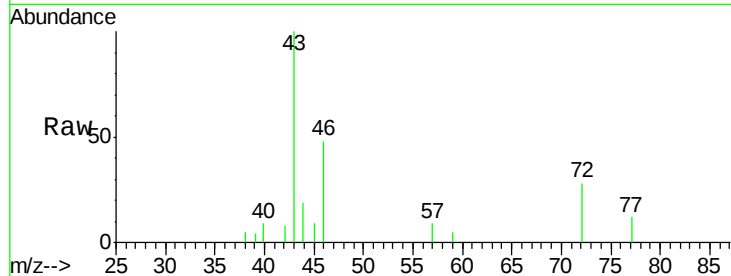
72 24.8 14.5 43.5

Manual Integrations

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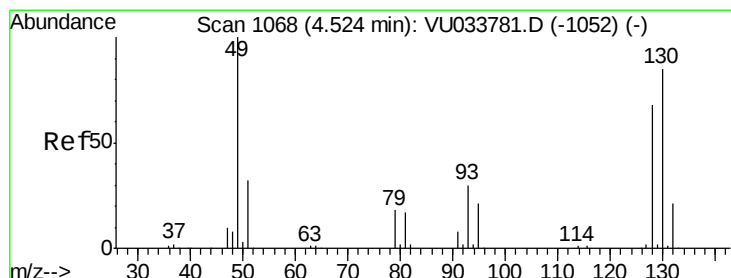
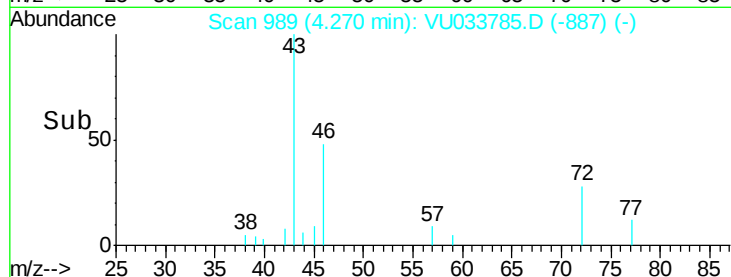
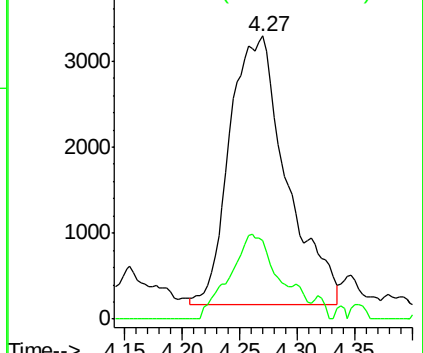
MMDadoda

8/14/2019 10:44:43 AM



Abundance Ion 43.00 (42.70 to 43.70): VU033785.D (-989) (-)

Ion 72.00 (71.70 to 72.70): VU033785.D (-989) (-)



#23

Bromochloromethane

Concen: 2.670 ug/L m

RT: 4.53 min Scan# 1069

Delta R.T. 0.00 min

Lab File: VU033785.D

Acq: 13 Aug 2019 16:46

Tgt Ion: 128 Resp: 4433

Ion Ratio Lower Upper

128 100

49 154.6 108.1 200.7

130 149.3 91.8 170.6

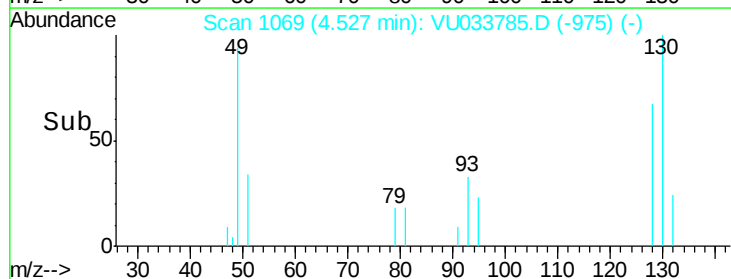
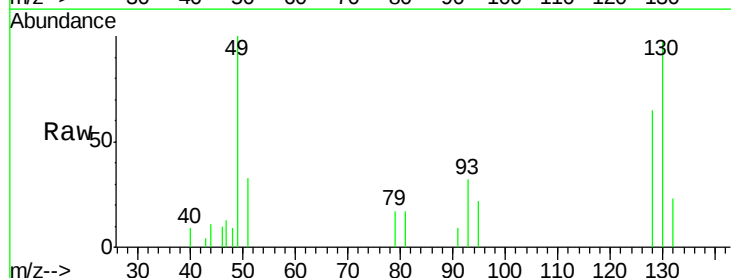
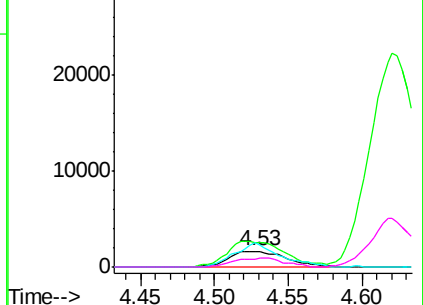
51 51.2 40.6 61.0

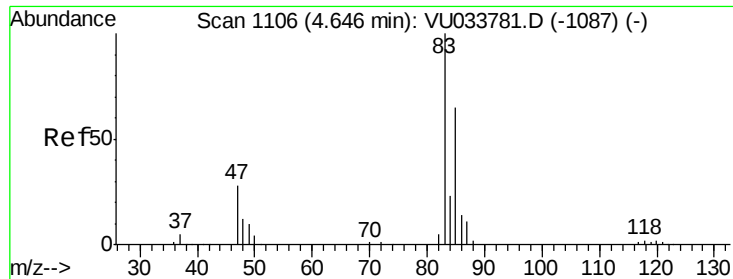
Abundance Ion 128.00 (127.70 to 128.70): VU033785.D (-1069) (-)

Ion 49.00 (48.70 to 49.70): VU033785.D (-1069) (-)

Ion 130.00 (129.70 to 130.70): VU033785.D (-1069) (-)

Ion 51.00 (50.70 to 51.70): VU033785.D (-1069) (-)





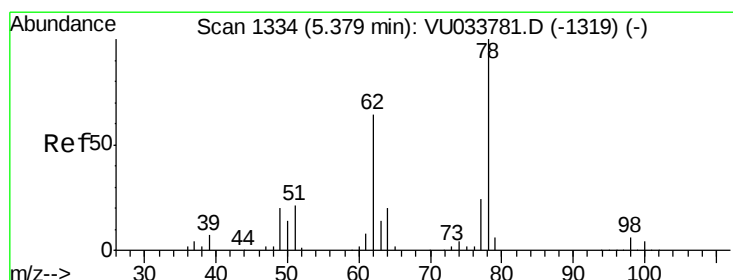
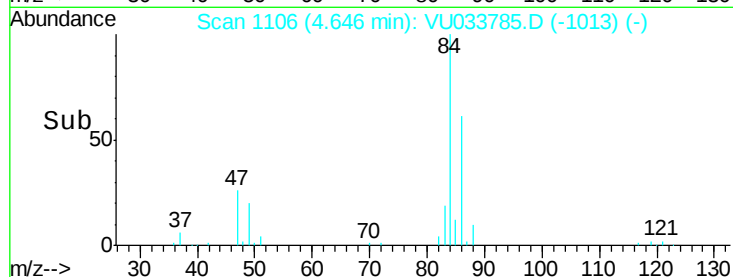
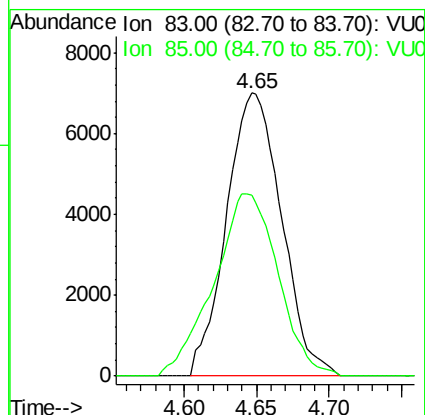
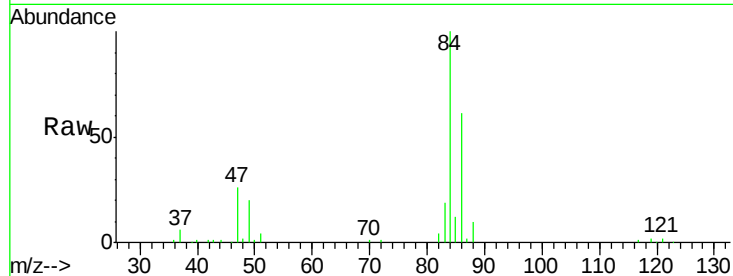
#25
Chloroform
Concen: 3.169 ug/L
RT: 4.65 min Scan# 1106
Delta R.T. 0.00 min
Lab File: VU033785.D
Acq: 13 Aug 2019 16:46

Instrument :
MSVOA_U
ClientSampleId :
MDL06

Tot Ion	83	Resp	18464
Ion Ratio	100	Lower	Upper
85	63.9	45.6	84.6

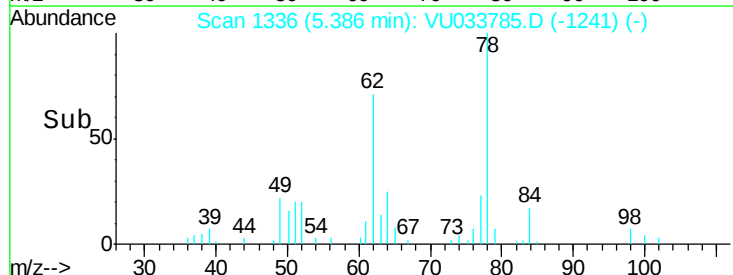
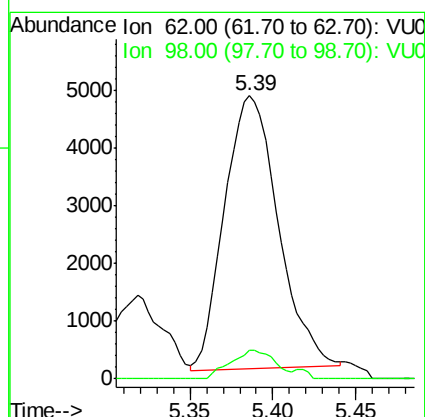
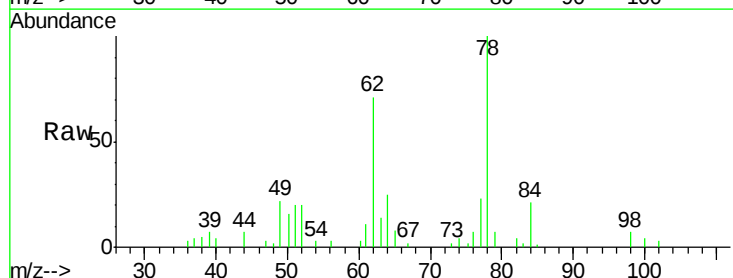
Manual Integrations
APPROVED

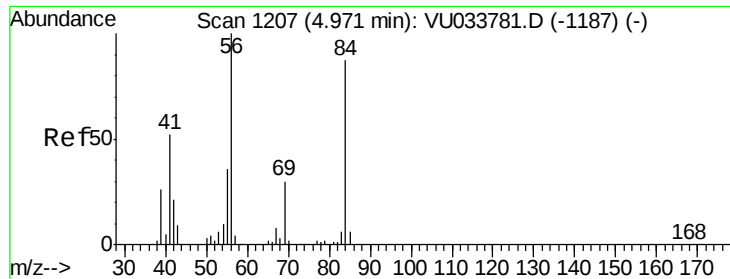
MMDadoda
8/14/2019 10:44:43 AM



#27
1,2-Dichloroethane
Concen: 2.377 ug/L
RT: 5.39 min Scan# 1336
Delta R.T. 0.01 min
Lab File: VU033785.D
Acq: 13 Aug 2019 16:46

Tgt Ion	62	Resp	10760
Ion Ratio	100	Lower	Upper
98	10.0	7.4	11.0





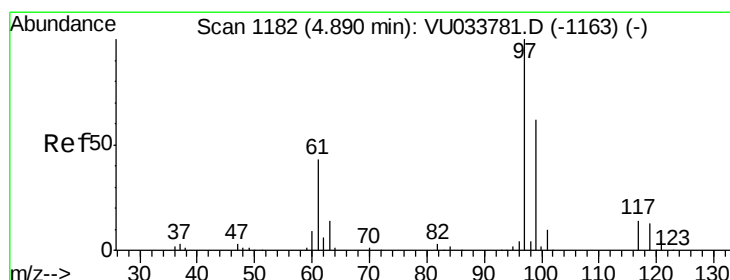
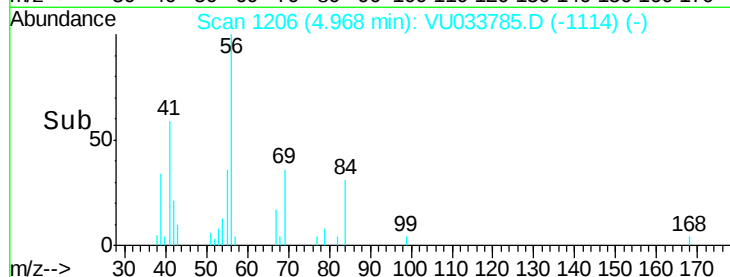
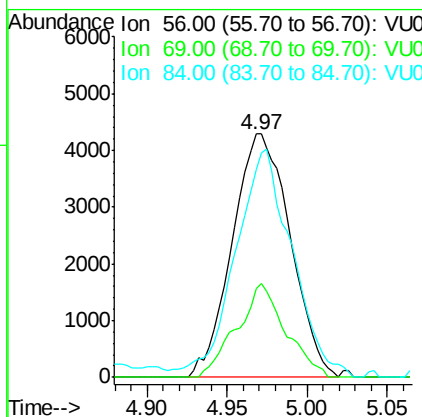
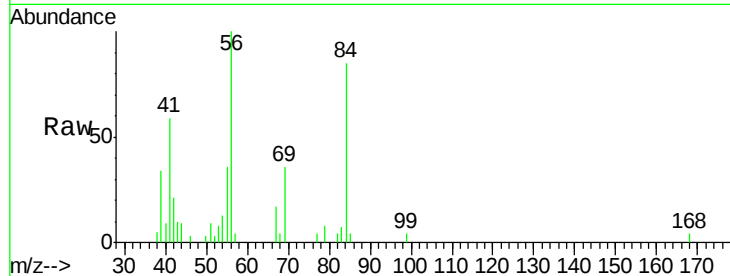
#29
Cyclohexane
Concen: 2.460 ug/L
RT: 4.97 min Scan# 1206
Delta R.T. -0.00 min
Lab File: VU033785.D
Acq: 13 Aug 2019 16:46

Instrument :
MSVOA_U
ClientSampleId :
MDL06

Tot Ion	Ratio	Lower	Upper
56	100		
69	32.3	25.0	37.4
84	92.2	70.3	105.5

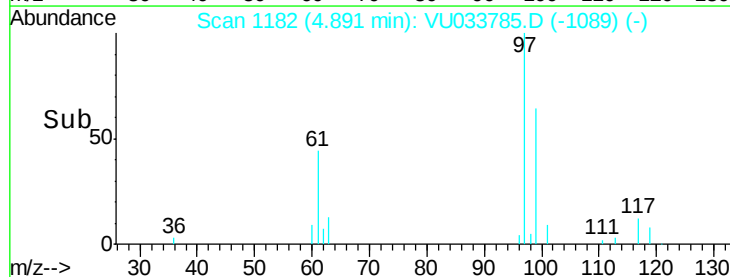
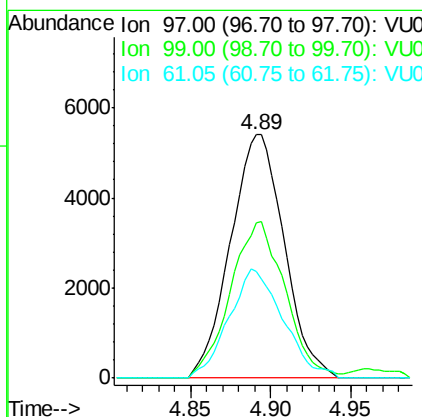
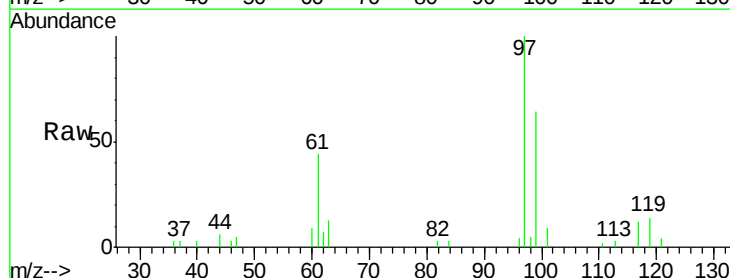
Manual Integrations
APPROVED

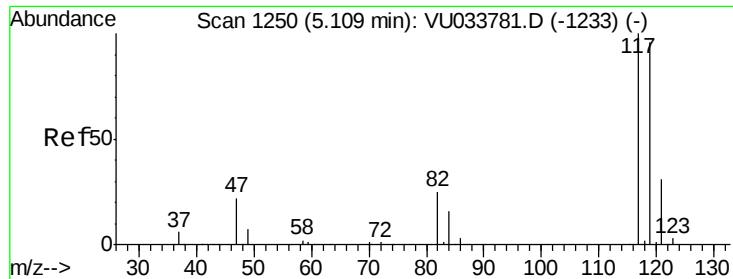
MMDadoda
8/14/2019 10:44:43 AM



#30
1,1,1-Trichloroethane
Concen: 2.568 ug/L
RT: 4.89 min Scan# 1182
Delta R.T. 0.00 min
Lab File: VU033785.D
Acq: 13 Aug 2019 16:46

Tgt Ion	Ratio	Lower	Upper
97	100		
99	65.5	50.9	76.3
61	45.1	36.6	54.8





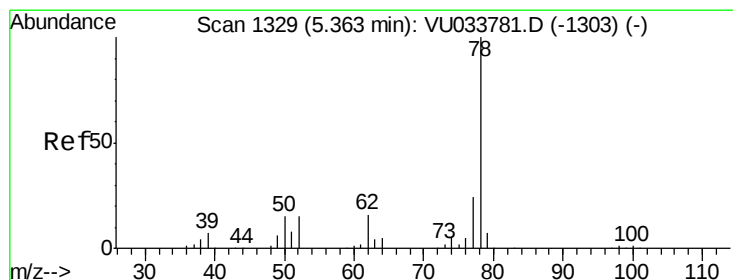
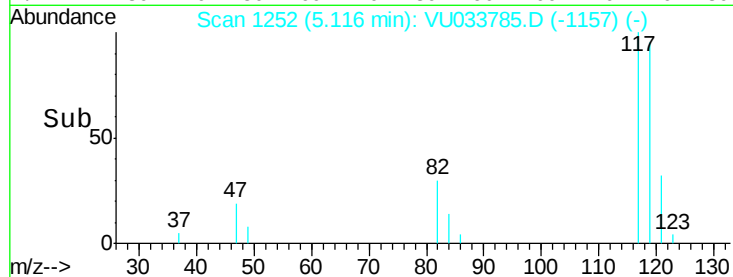
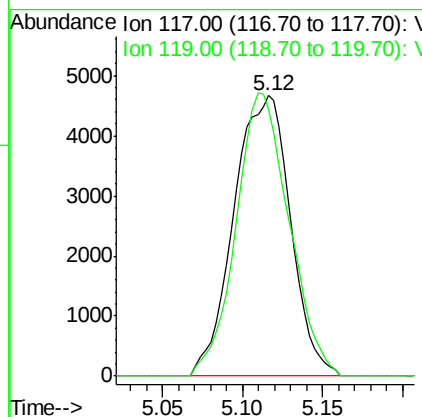
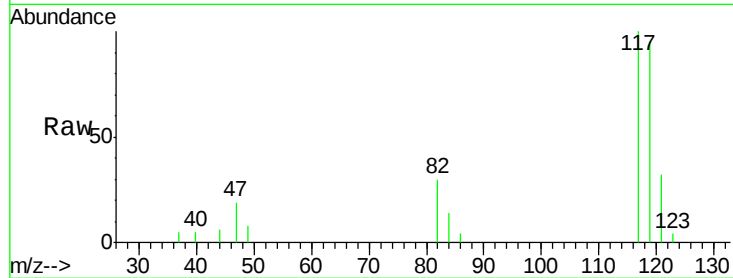
#31
Carbon tetrachloride
Concen: 2.627 ug/L
RT: 5.12 min Scan# 1252
Delta R.T. 0.01 min
Lab File: VU033785.D
Acq: 13 Aug 2019 16:46

Instrument :
MSVOA_U
ClientSampled :
MDL06

Tot Ion:117 Resp: 11288
Ion Ratio Lower Upper
117 100
119 94.6 77.5 116.3

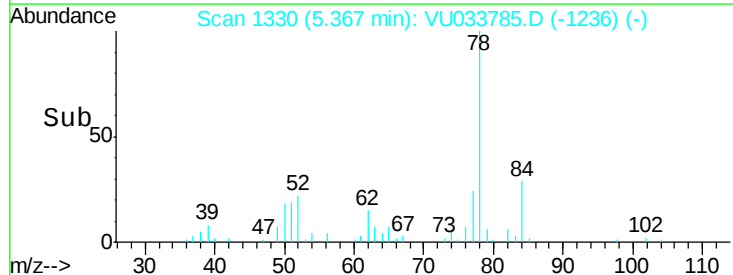
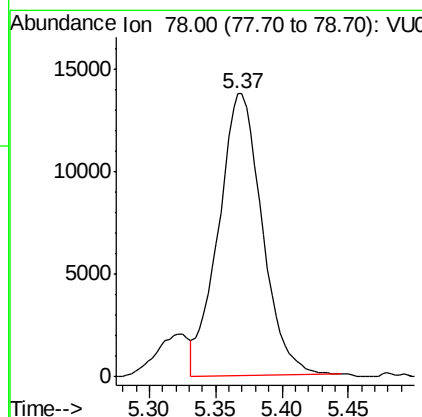
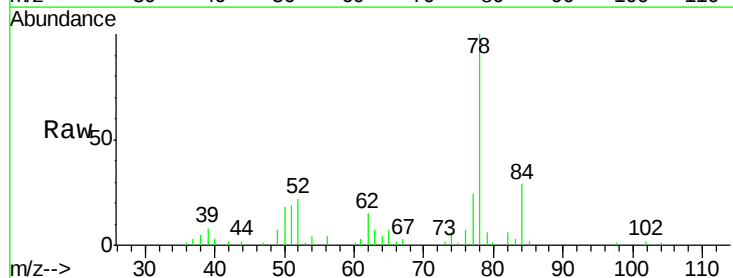
Manual Integrations
APPROVED

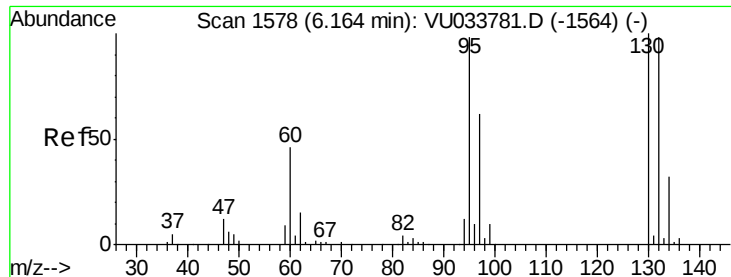
MMDadoda
8/14/2019 10:44:43 AM



#33
Benzene
Concen: 2.604 ug/L
RT: 5.37 min Scan# 1330
Delta R.T. 0.00 min
Lab File: VU033785.D
Acq: 13 Aug 2019 16:46

Tgt Ion: 78 Resp: 31424





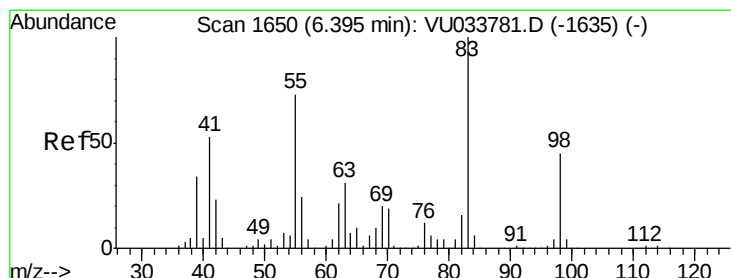
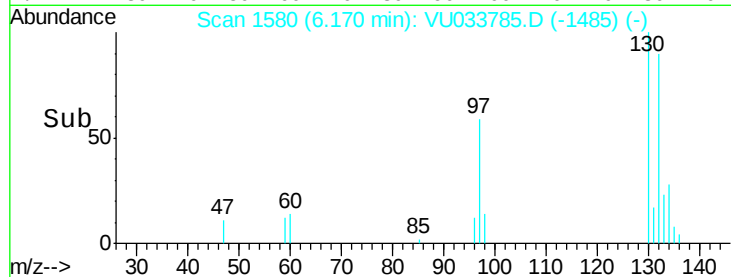
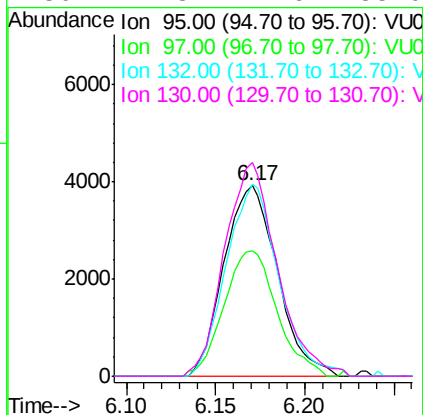
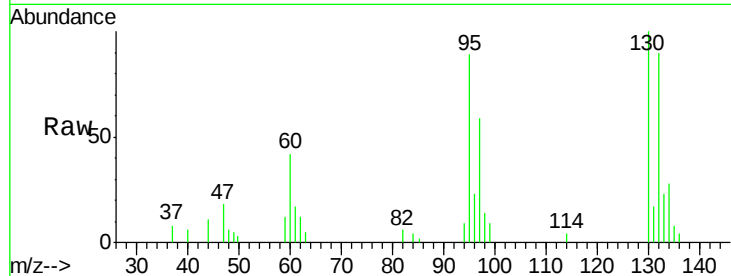
#34
 Trichloroethene
 Concen: 2.553 ug/L
 RT: 6.17 min Scan# 1580
 Delta R.T. 0.01 min
 Lab File: VU033785.D
 Acq: 13 Aug 2019 16:46

Instrument :
 MSVOA_U
 ClientSampleId :
 MDL06

Tot Ion	Ratio	Lower	Upper
95	100		
97	66.2	45.1	83.7
132	100.9	67.9	126.1
130	112.3	71.6	133.0

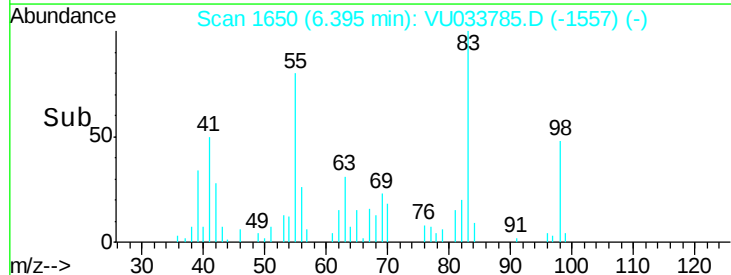
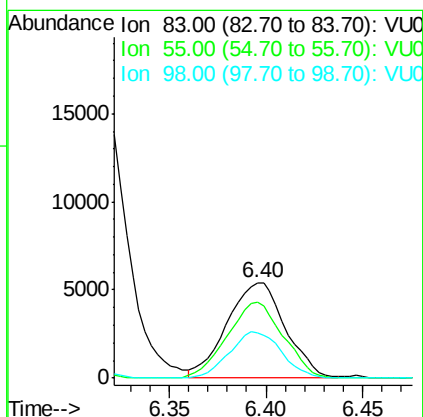
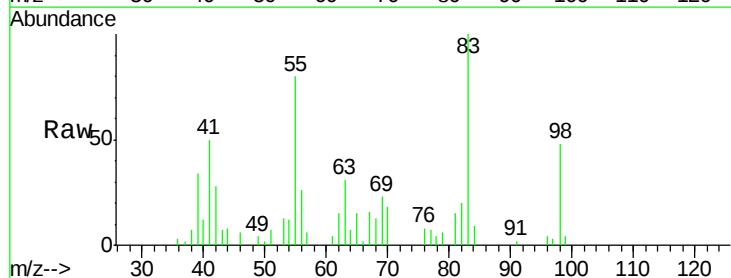
Manual Integrations
 APPROVED

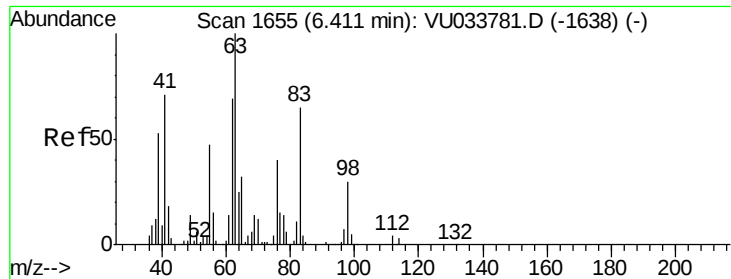
MMDadoda
 8/14/2019 10:44:43 AM



#35
 Methylcyclohexane
 Concen: 2.437 ug/L
 RT: 6.40 min Scan# 1650
 Delta R.T. 0.00 min
 Lab File: VU033785.D
 Acq: 13 Aug 2019 16:46

Tgt Ion	Ratio	Lower	Upper
83	100		
55	76.2	62.2	93.4
98	43.2	35.8	53.8





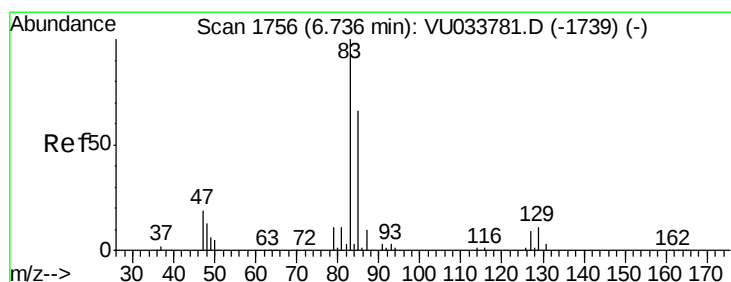
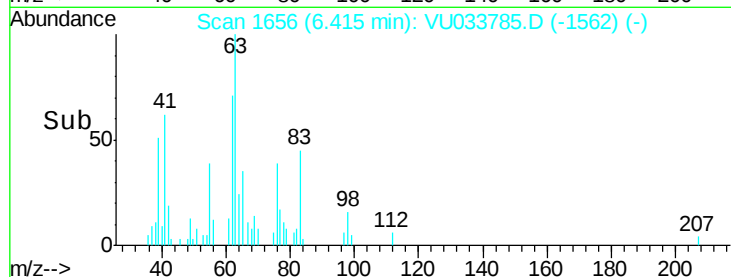
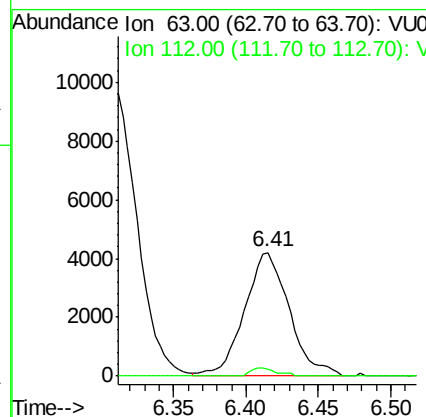
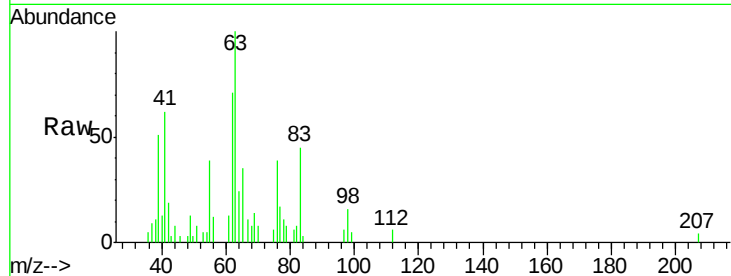
#37
 1,2-Dichloropropane
 Concen: 2.758 ug/L
 RT: 6.41 min Scan# 1656
 Delta R.T. 0.00 min
 Lab File: VU033785.D
 Acq: 13 Aug 2019 16:46

Instrument :
 MSVOA_U
 ClientSampleId :
 MDL06

Tot Ion: 63 Resp: 9069
 Ion Ratio Lower Upper
 63 100
 112 3.4 3.0 4.6

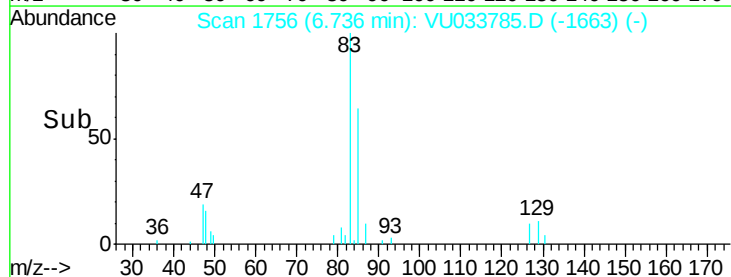
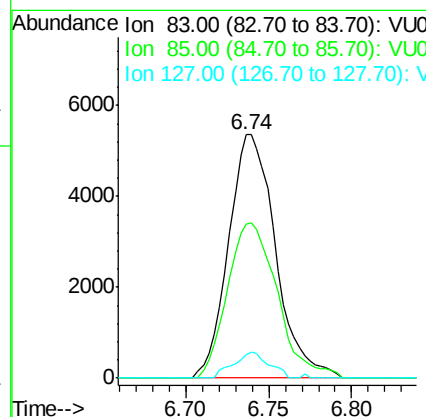
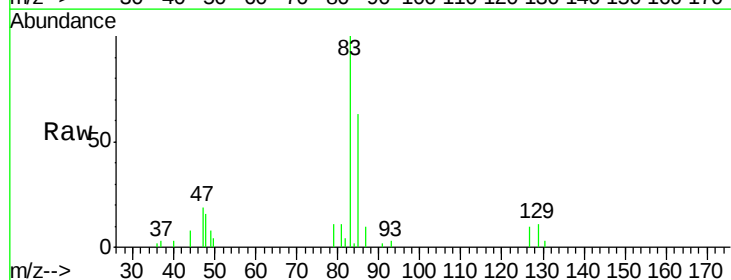
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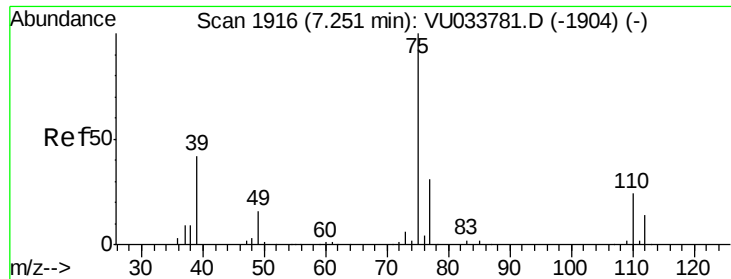
MMDadoda
 8/14/2019 10:44:43 AM



#38
 Bromodichloromethane
 Concen: 2.484 ug/L
 RT: 6.74 min Scan# 1756
 Delta R.T. 0.00 min
 Lab File: VU033785.D
 Acq: 13 Aug 2019 16:46

Tgt Ion: 83 Resp: 10539
 Ion Ratio Lower Upper
 83 100
 85 63.0 45.8 85.0
 127 9.8 7.4 11.0





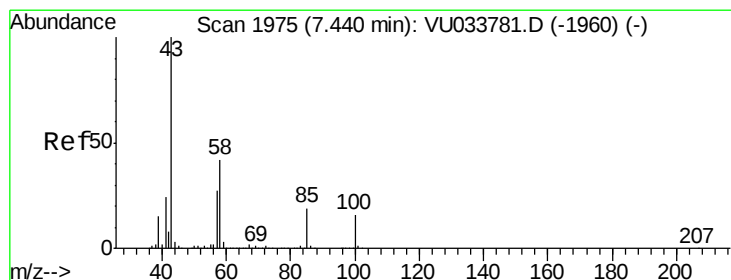
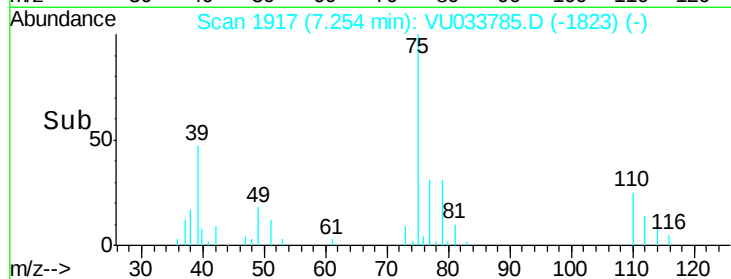
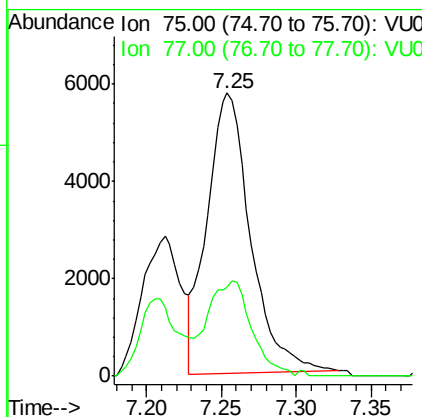
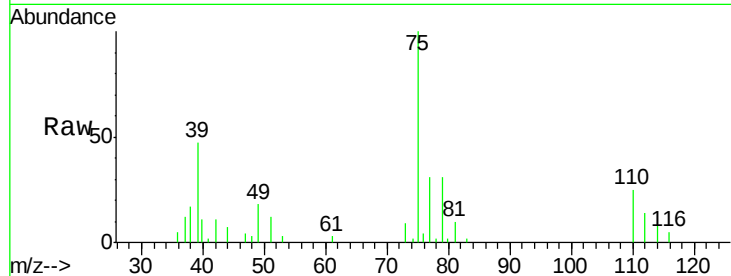
#39
 cis-1,3-Dichloropropene
 Concen: 2.406 ug/L
 RT: 7.25 min Scan# 1917
 Delta R.T. 0.00 min
 Lab File: VU033785.D
 Acq: 13 Aug 2019 16:46

Instrument :
 MSVOA_U
 ClientSampleId :
 MDL06

Tot Ion: 75 Resp: 11681
 Ion Ratio Lower Upper
 75 100
 77 31.5 22.0 40.8

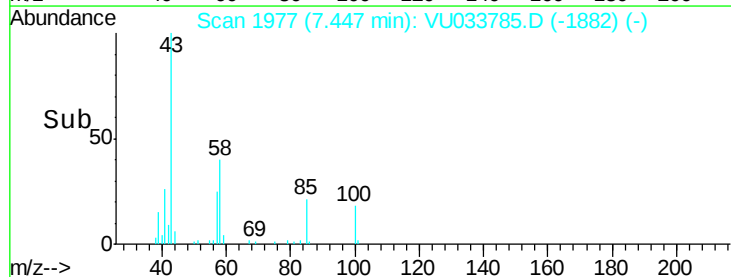
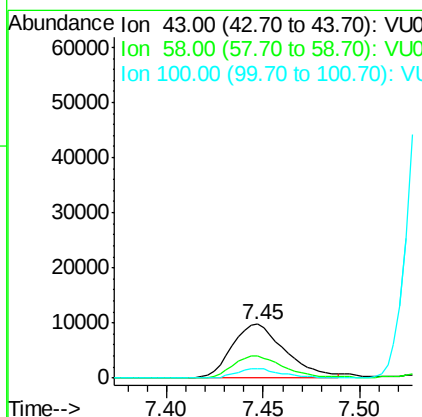
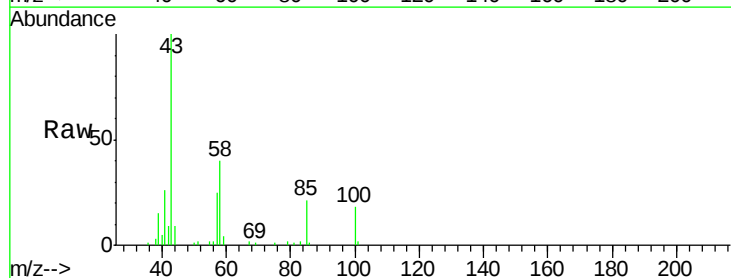
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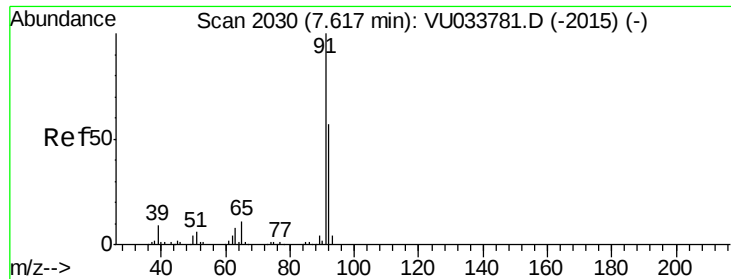
MMDadoda
 8/14/2019 10:44:43 AM



#40
 4-Methyl-2-pentanone
 Concen: 4.596 ug/L
 RT: 7.45 min Scan# 1977
 Delta R.T. 0.01 min
 Lab File: VU033785.D
 Acq: 13 Aug 2019 16:46

Tgt Ion: 43 Resp: 18805
 Ion Ratio Lower Upper
 43 100
 58 39.9 32.5 48.7
 100 14.8 12.2 18.2





#42

Toluene

Concen: 2.574 ug/L

RT: 7.62 min Scan# 2031

Delta R.T. 0.00 min

Lab File: VU033785.D

Acq: 13 Aug 2019 16:46

Instrument :

MSVOA_U

ClientSampleId :

MDL06

Tot Ion: 91 Resp: 32805

Ion Ratio Lower Upper

91 100

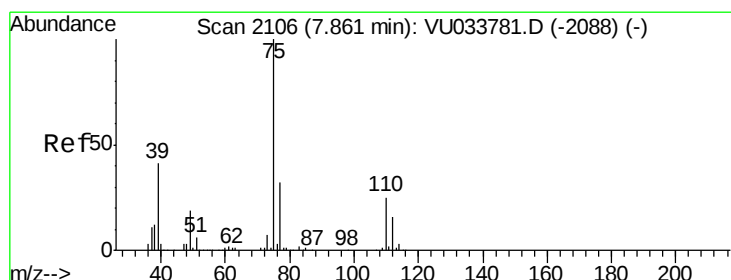
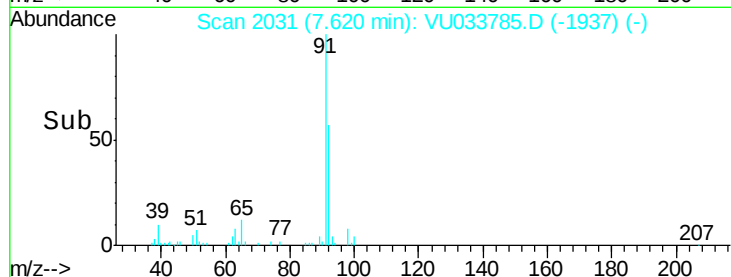
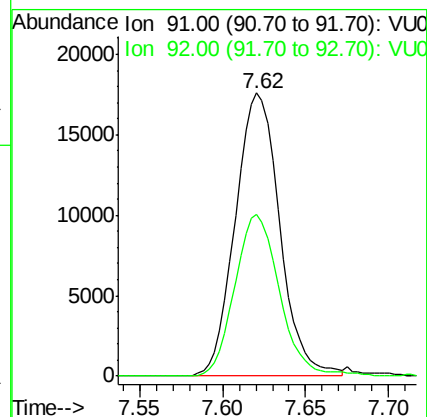
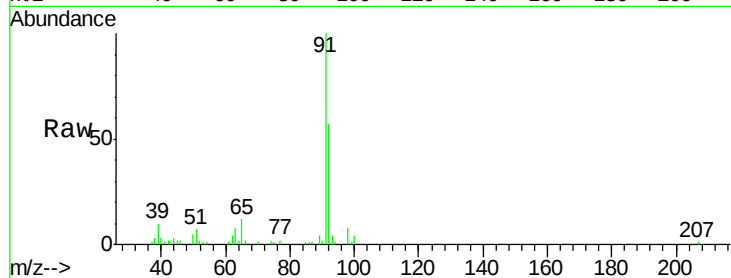
92 57.3 40.0 74.2

Manual Integrations

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MMDadoda

8/14/2019 10:44:43 AM



#44

trans-1,3-Dichloropropene

Concen: 2.334 ug/L

RT: 7.86 min Scan# 2106

Delta R.T. 0.00 min

Lab File: VU033785.D

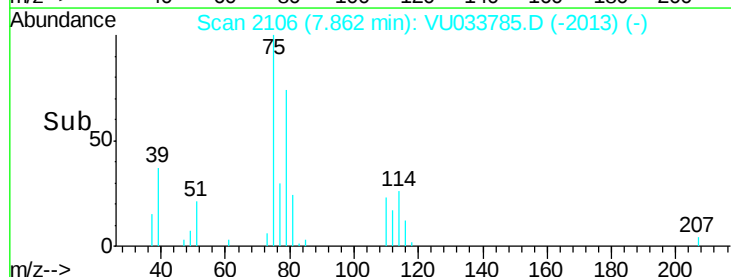
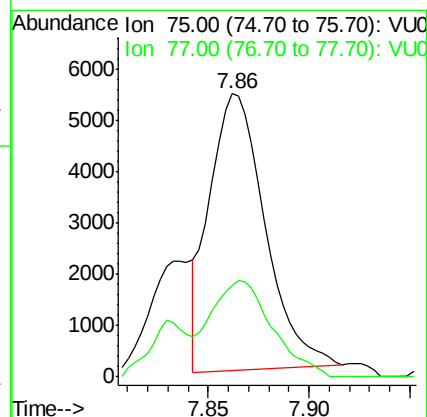
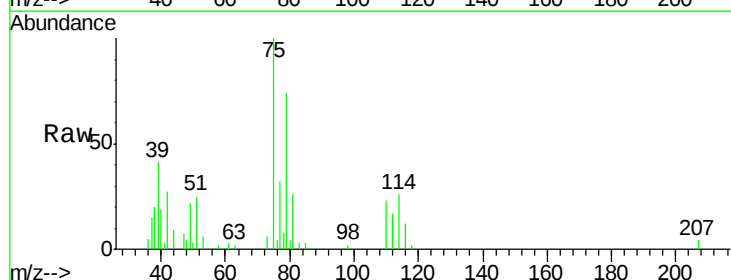
Acq: 13 Aug 2019 16:46

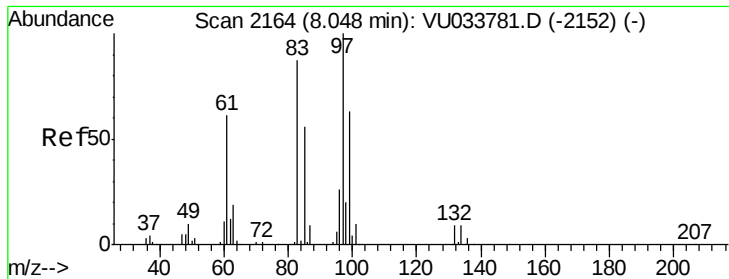
Tgt Ion: 75 Resp: 10321

Ion Ratio Lower Upper

75 100

77 32.4 22.7 42.3





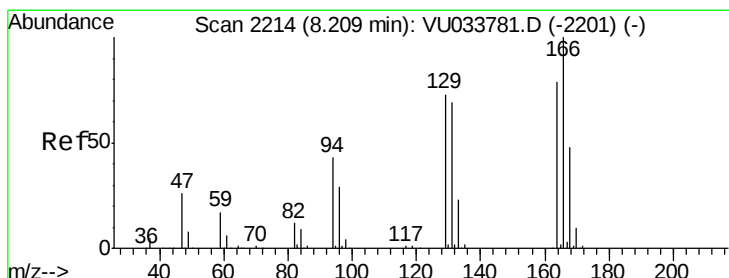
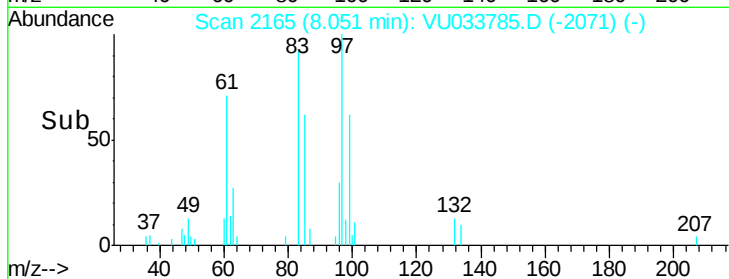
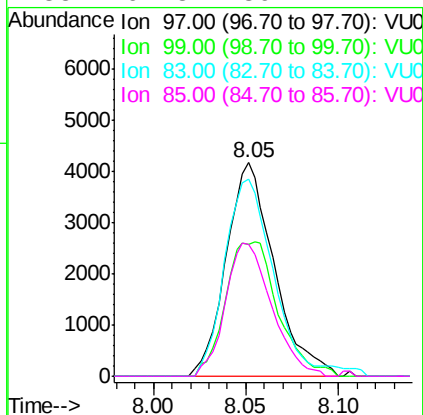
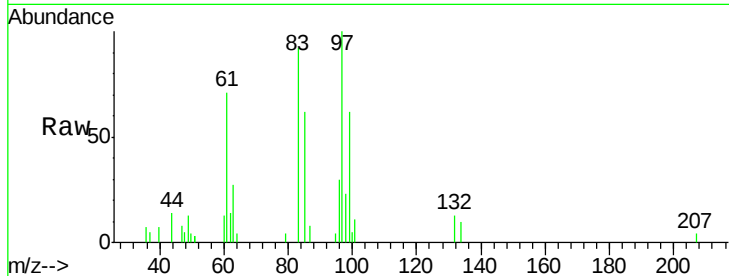
#45
 1,1,2-Trichloroethane
 Concen: 2.415 ug/L
 RT: 8.05 min Scan# 2165
 Delta R.T. 0.00 min
 Lab File: VU033785.D
 Acq: 13 Aug 2019 16:46

Instrument :
 MSVOA_U
 ClientSampleId :
 MDL06

Tot Ion:	97	Resp:	7494
Ion	Ratio	Lower	Upper
97	100		
99	61.9	43.5	80.9
83	92.0	61.8	114.8
85	61.8	39.1	72.7

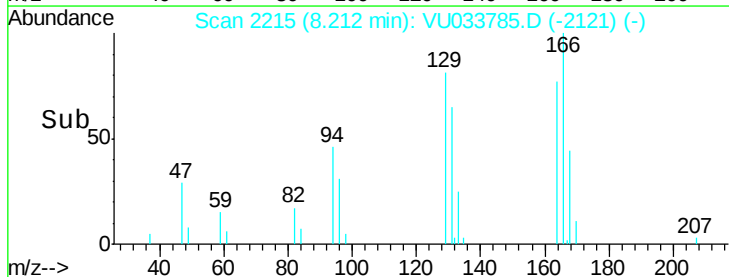
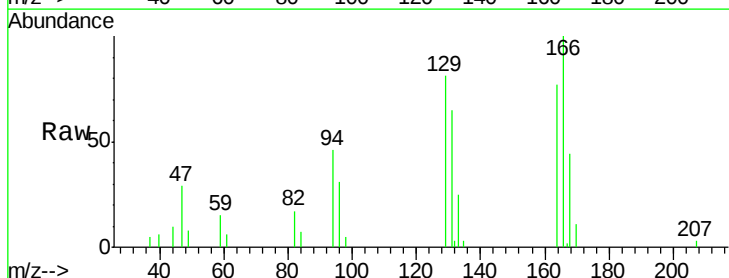
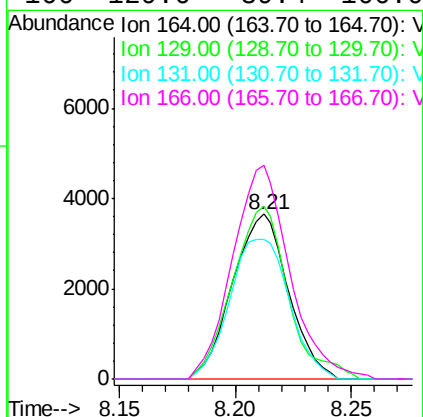
Manual Integrations
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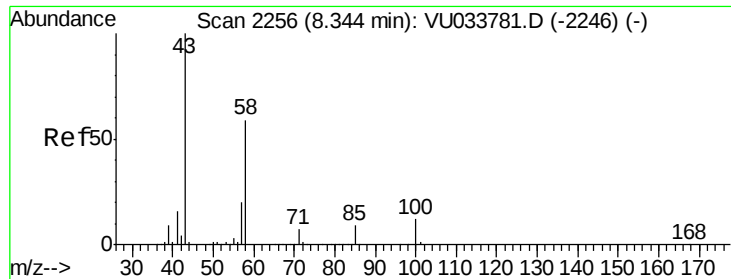
MMDadoda
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#46
 Tetrachloroethene
 Concen: 2.437 ug/L
 RT: 8.21 min Scan# 2215
 Delta R.T. 0.00 min
 Lab File: VU033785.D
 Acq: 13 Aug 2019 16:46

Tgt Ion:	164	Resp:	6110
Ion	Ratio	Lower	Upper
164	100		
129	105.2	65.5	121.6
131	84.7	64.0	119.0
166	129.6	89.4	166.0





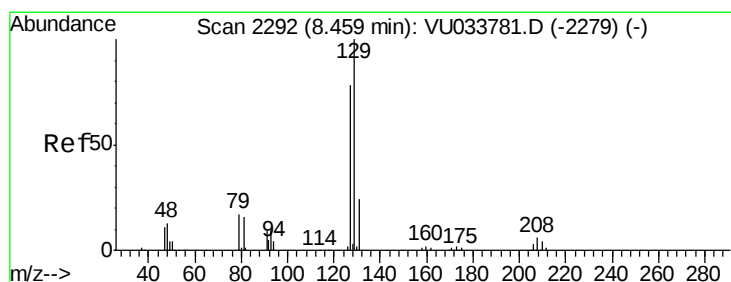
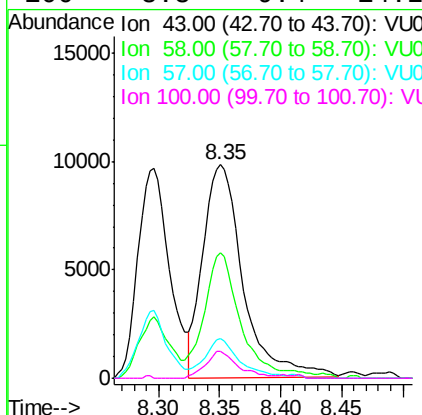
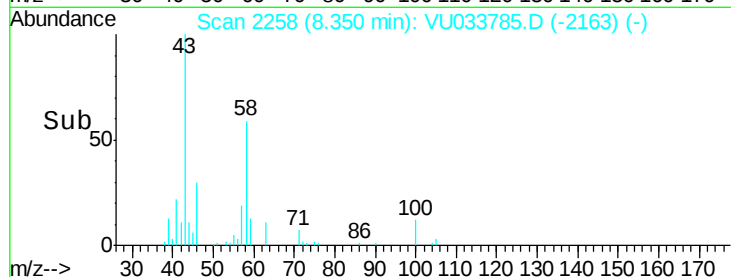
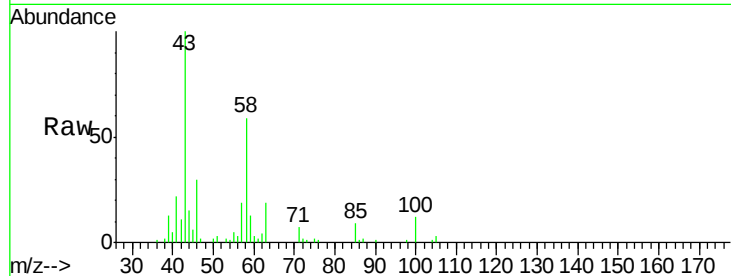
#48
2-Hexanone
Concen: 7.209 ug/L
RT: 8.35 min Scan# 2258
Delta R.T. 0.01 min
Lab File: VU033785.D
Acq: 13 Aug 2019 16:46

Instrument :
MSVOA_U
ClientSampled :
MDL06

Tot Ion	Ratio	Lower	Upper
43	100		
58	50.2	45.4	68.0
57	13.7	15.4	23.0
100	8.8	9.4	14.2

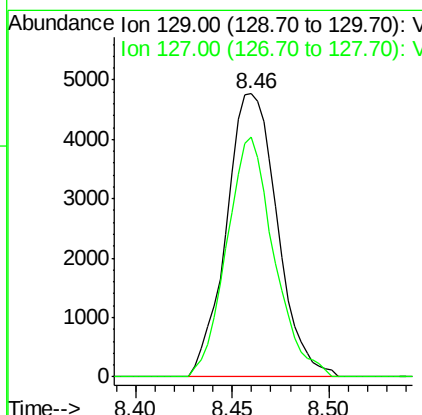
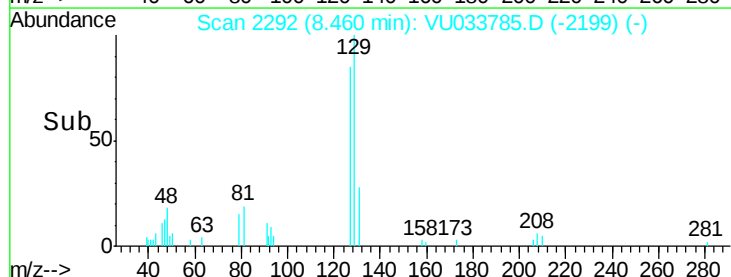
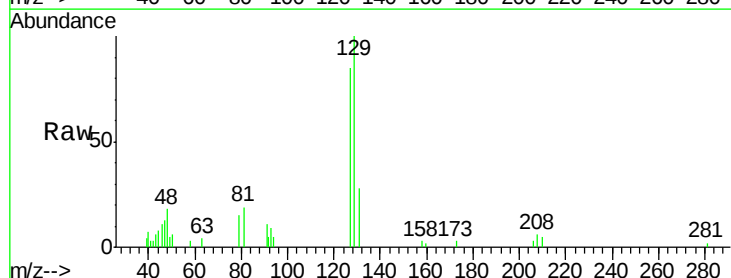
Manual Integrations
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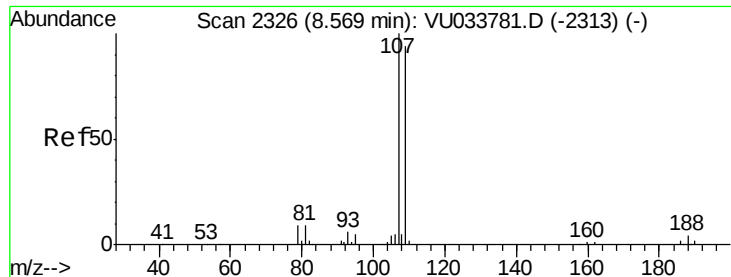
MMDadoda
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#49
Dibromochloromethane
Concen: 2.524 ug/L
RT: 8.46 min Scan# 2292
Delta R.T. 0.00 min
Lab File: VU033785.D
Acq: 13 Aug 2019 16:46

Tgt Ion	Ratio	Lower	Upper
129	100		
127	84.7	54.4	101.0





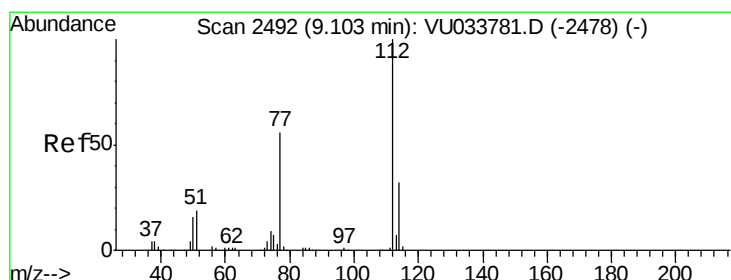
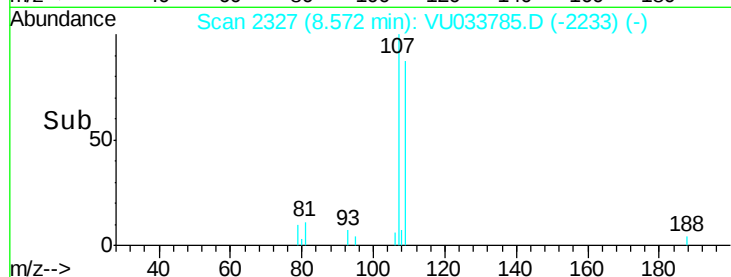
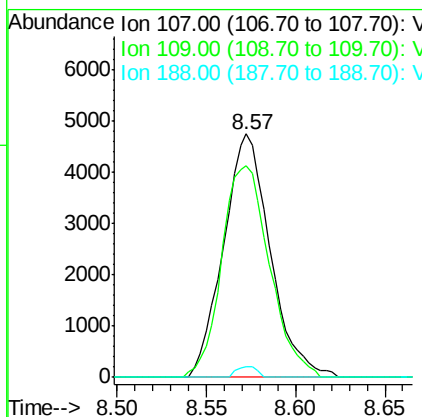
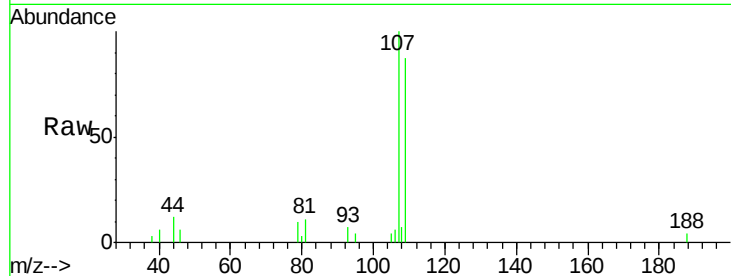
#50
1,2-Dibromoethane
Concen: 2.653 ug/L
RT: 8.57 min Scan# 2327
Delta R.T. 0.00 min
Lab File: VU033785.D
Acq: 13 Aug 2019 16:46

Instrument :
MSVOA_U
ClientSampleId :
MDL06

Tot Ion	Ratio	Lower	Upper
107	100		
109	86.9	66.0	122.6
188	4.4	3.0	4.6

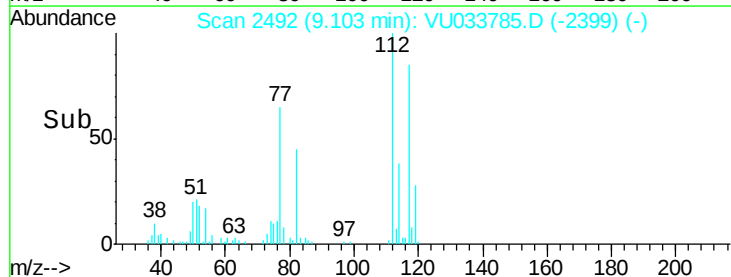
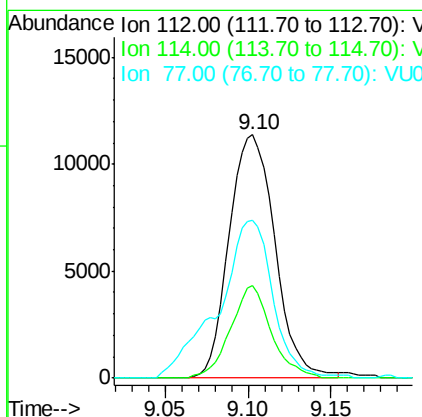
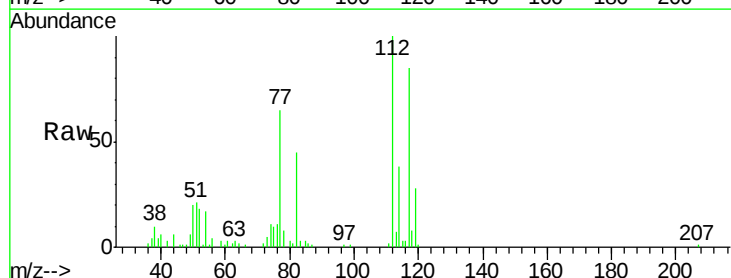
Manual Integrations
APPROVED

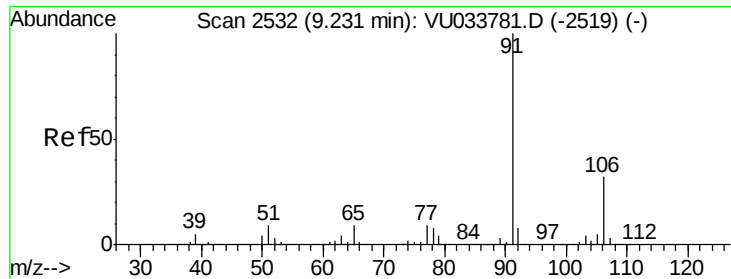
MMDadoda
8/14/2019 10:44:43 AM



#51
Chlorobenzene
Concen: 2.644 ug/L
RT: 9.10 min Scan# 2492
Delta R.T. 0.00 min
Lab File: VU033785.D
Acq: 13 Aug 2019 16:46

Tgt Ion	Ratio	Lower	Upper
112	100		
114	38.1	22.4	41.6
77	64.8	46.2	69.4





#52

Ethylbenzene

Concen: 2.443 ug/L

RT: 9.23 min Scan# 2533

Delta R.T. 0.00 min

Lab File: VU033785.D

Acq: 13 Aug 2019 16:46

Tot Ion: 91 Resp: 32762

Ion Ratio Lower Upper

91 100

106 29.4 22.0 41.0

Instrument :

MSVOA_U

ClientSampleId :

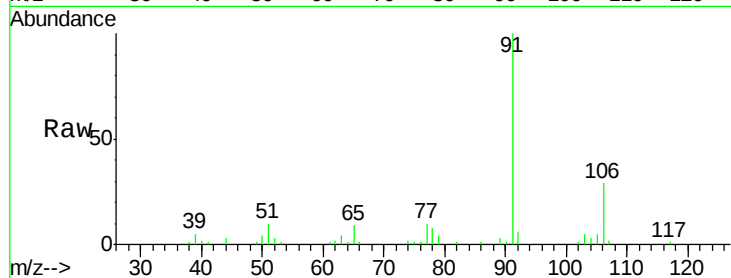
MDL06

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Abundance Ion 91.00 (90.70 to 91.70): VU033785.D (-2519) (-)

Ion 106.00 (105.70 to 106.70): VU033785.D (-2519) (-)

20000

15000

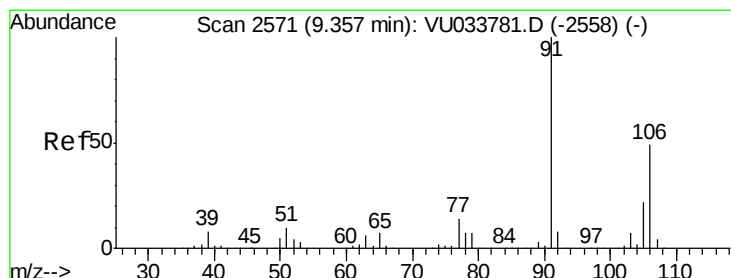
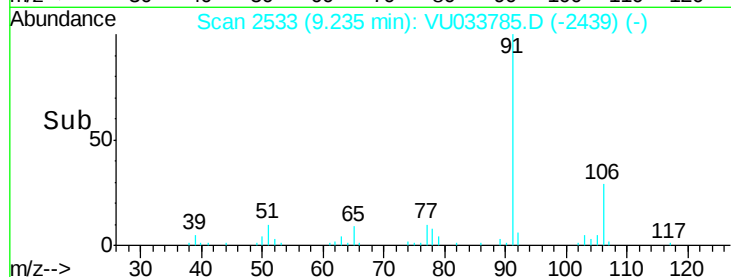
10000

5000

0

9.20 9.25 9.30

Time-->



#53

m,p-Xylene

Concen: 2.323 ug/L

RT: 9.36 min Scan# 2572

Delta R.T. 0.00 min

Lab File: VU033785.D

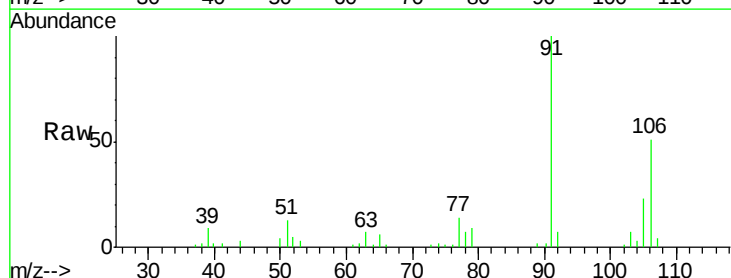
Acq: 13 Aug 2019 16:46

Tgt Ion: 106 Resp: 11646

Ion Ratio Lower Upper

106 100

91 195.0 142.1 263.9



Abundance Ion 106.00 (105.70 to 106.70): VU033785.D (-2558) (-)

Ion 91.00 (90.70 to 91.70): VU033785.D (-2558) (-)

15000

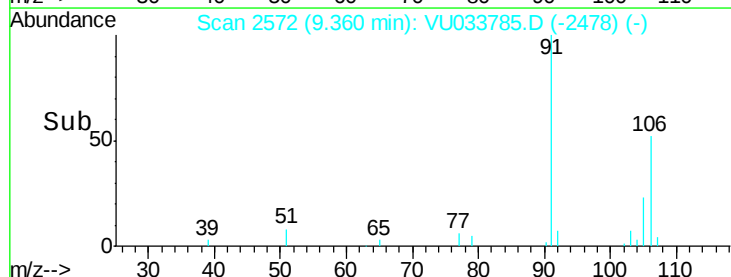
10000

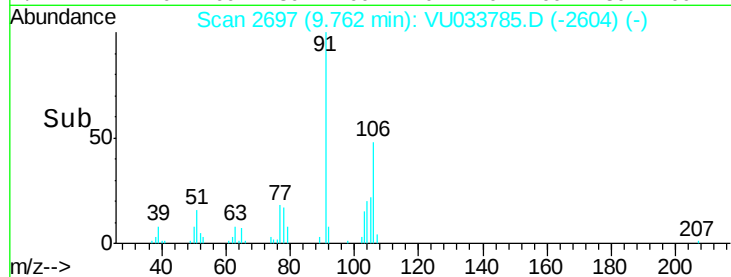
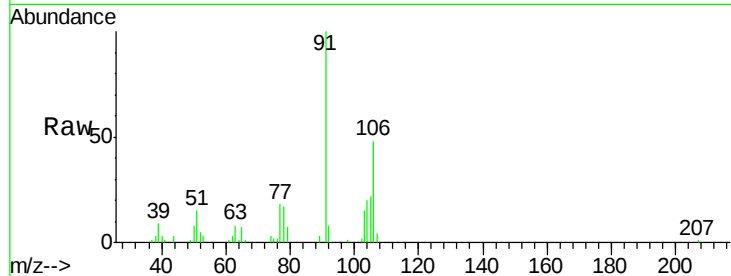
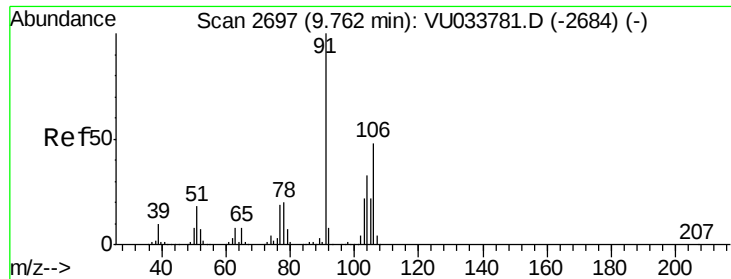
5000

0

9.30 9.35 9.40

Time-->





#54

o-xylene

Concen: 2.327 ug/L

RT: 9.76 min Scan# 2697

Delta R.T. 0.00 min

Lab File: VU033785.D

Acq: 13 Aug 2019 16:46

Tot Ion:106 Resp: 11479

Ion Ratio Lower Upper

106 100

91 207.9 150.4 279.4

Instrument :

MSVOA_U

ClientSampled :

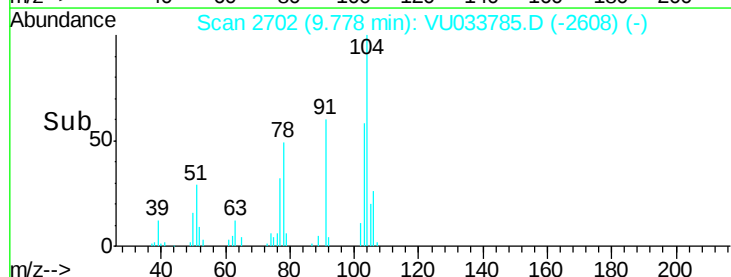
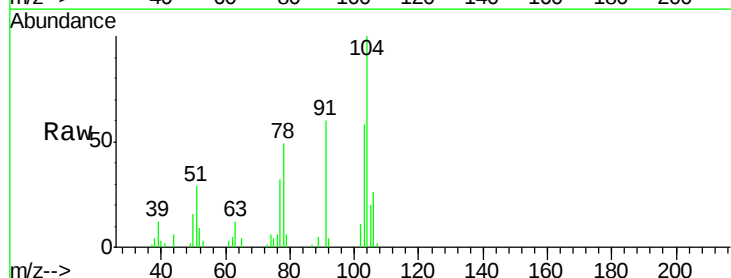
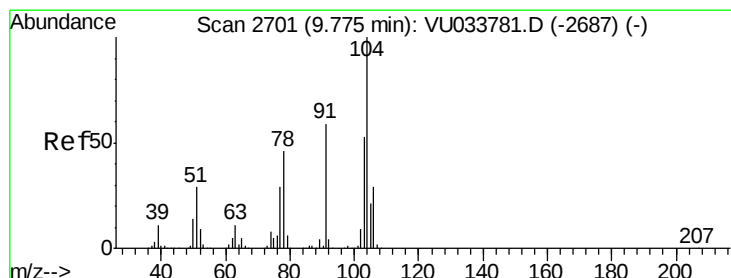
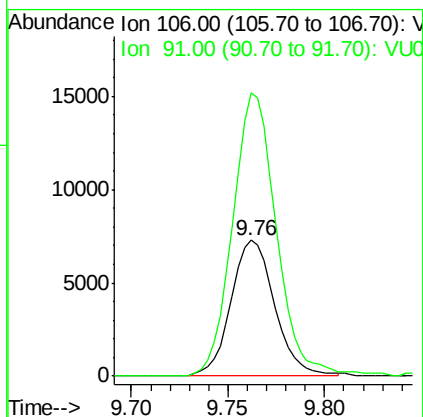
MDL06

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#55

Styrene

Concen: 1.973 ug/L

RT: 9.78 min Scan# 2702

Delta R.T. 0.00 min

Lab File: VU033785.D

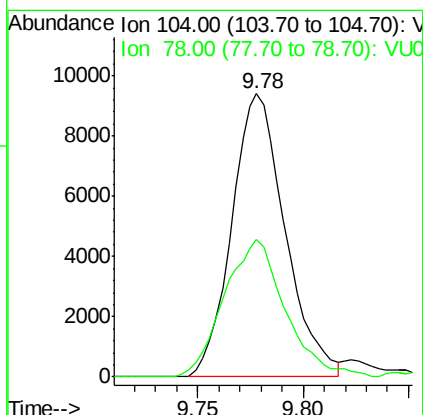
Acq: 13 Aug 2019 16:46

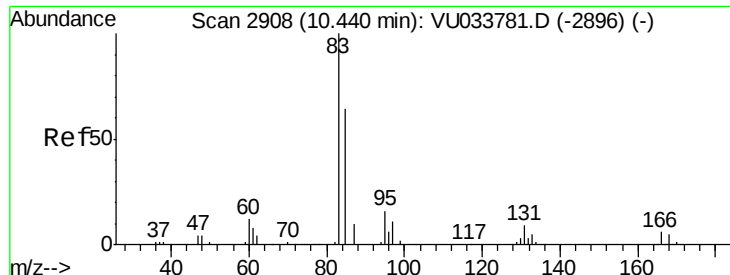
Tgt Ion:104 Resp: 16520

Ion Ratio Lower Upper

104 100

78 48.5 31.6 58.6





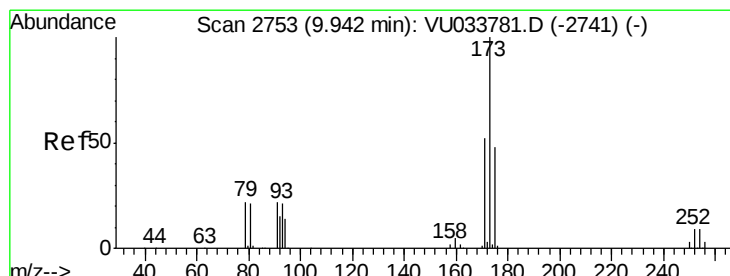
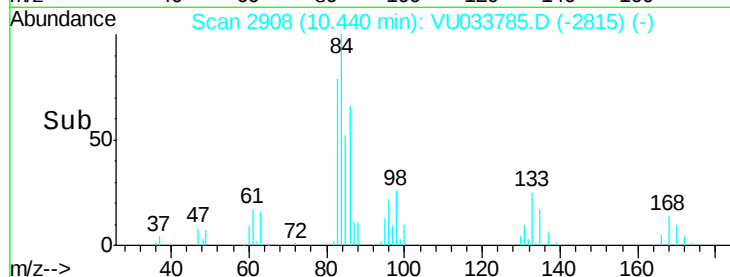
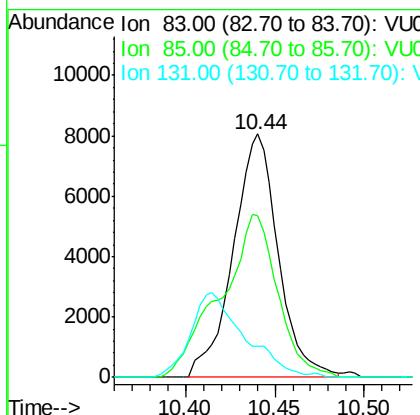
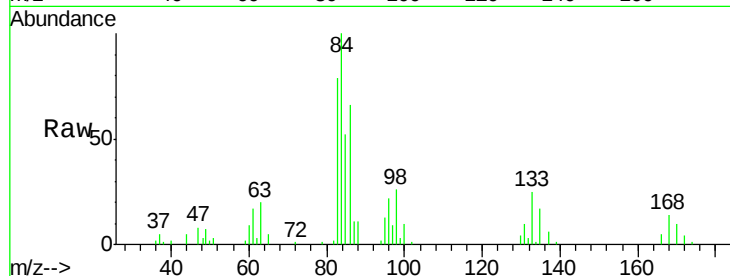
#57
 1,1,2,2-Tetrachloroethane
 Concen: 2.738 ug/L
 RT: 10.44 min Scan# 2908
 Delta R.T. 0.00 min
 Lab File: VU033785.D
 Acq: 13 Aug 2019 16:46

Instrument :
 MSVOA_U
 ClientSampled :
 MDL06

Tot Ion	83	Resp	14214
Ion Ratio	Lower	Upper	
83	100		
85	66.2	44.7	83.1
131	12.6	7.8	11.6#

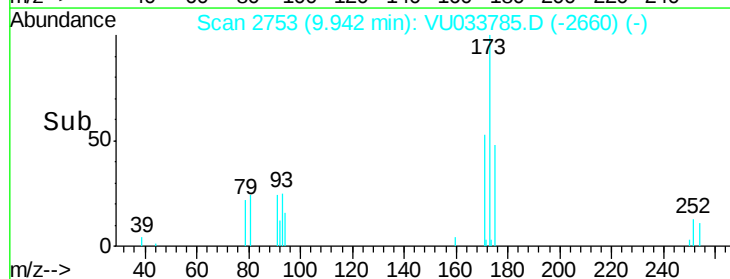
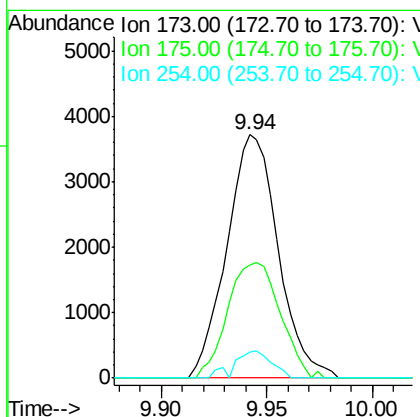
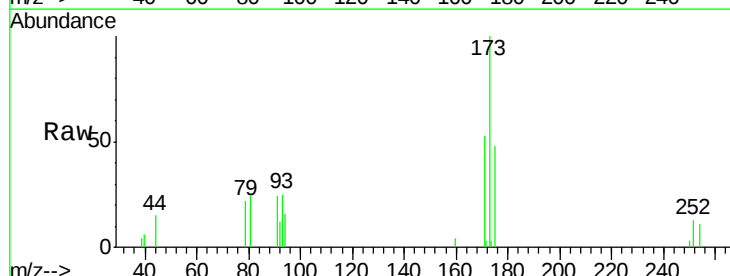
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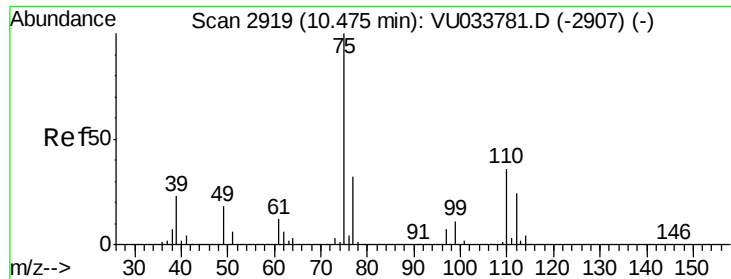
MMDadoda
 8/14/2019 10:44:43 AM



#59
 Bromoform
 Concen: 2.630 ug/L
 RT: 9.94 min Scan# 2753
 Delta R.T. 0.00 min
 Lab File: VU033785.D
 Acq: 13 Aug 2019 16:46

Tgt Ion	173	Resp	6295
Ion Ratio	Lower	Upper	
173	100		
175	48.1	38.9	58.3
254	7.1	7.4	11.0#





#60

1,2,3-Trichloropropane

Concen: 2.777 ug/L

RT: 10.48 min Scan# 2920

Delta R.T. 0.00 min

Lab File: VU033785.D

Acq: 13 Aug 2019 16:46

Instrument :

MSVOA_U

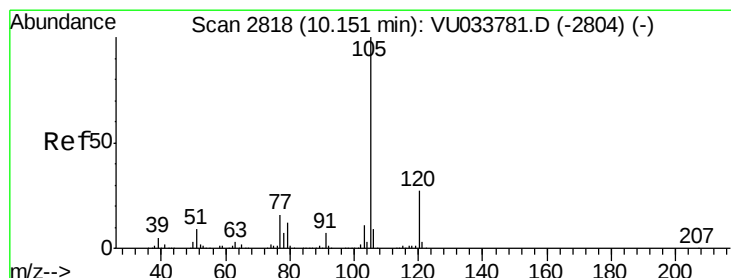
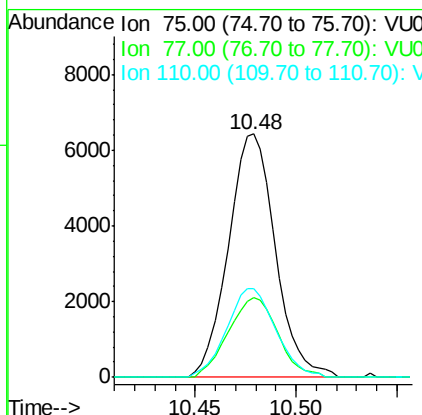
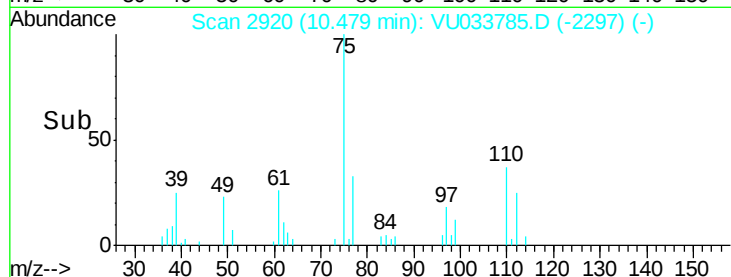
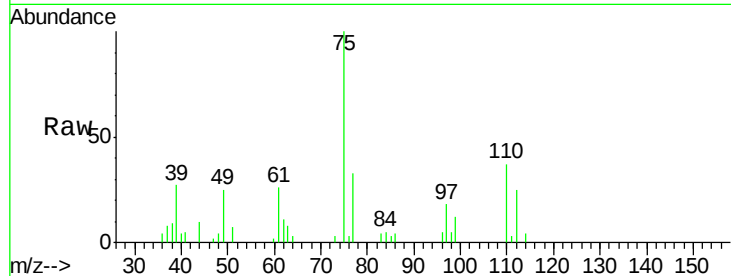
ClientSampleId :

MDL06

Tot Ion:	75	Resp:	10467
Ion Ratio	Lower	Upper	
75	100		
77	34.5	25.6	38.4
110	38.2	29.7	44.5

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#61

Isopropylbenzene

Concen: 2.362 ug/L

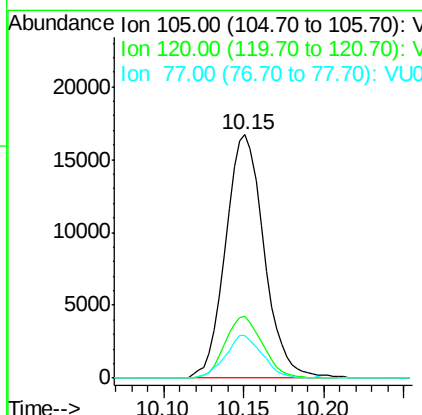
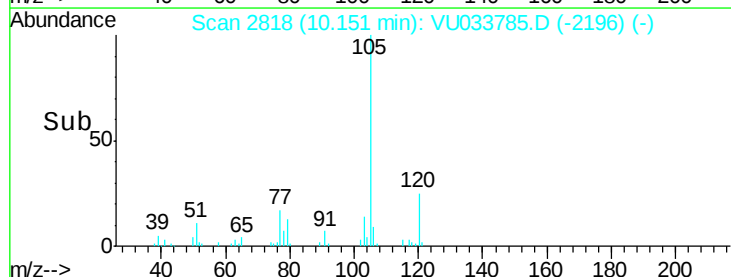
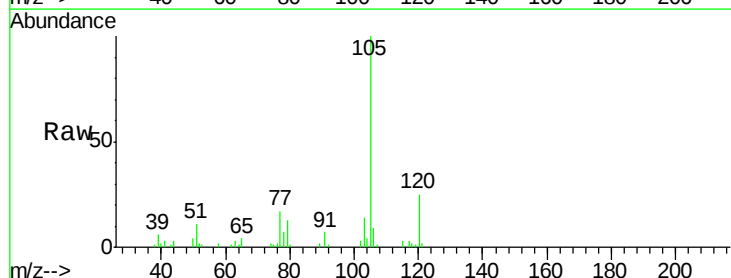
RT: 10.15 min Scan# 2818

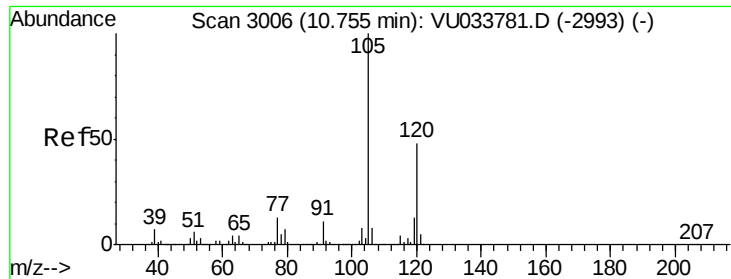
Delta R.T. 0.00 min

Lab File: VU033785.D

Acq: 13 Aug 2019 16:46

Tgt Ion:	105	Resp:	27398
Ion Ratio	Lower	Upper	
105	100		
120	24.7	21.0	31.6
77	16.7	12.8	19.2





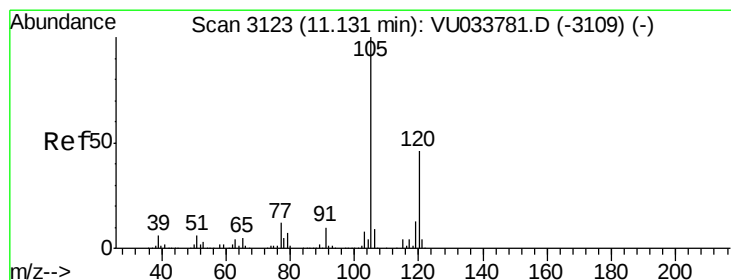
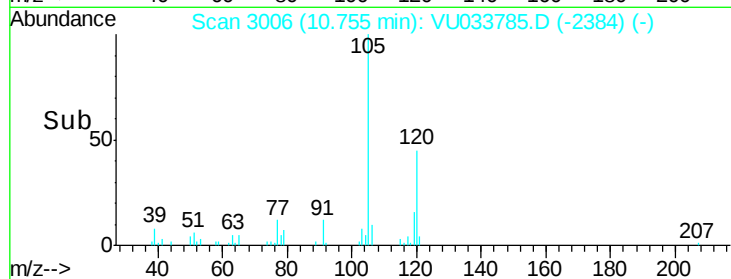
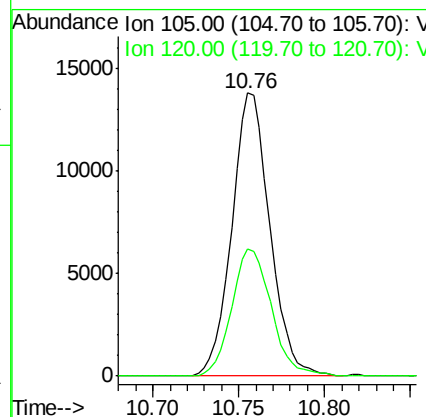
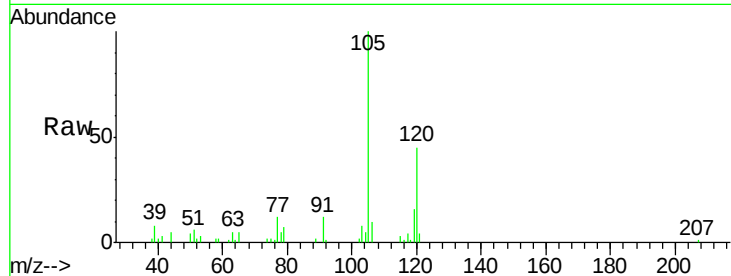
#62
 1,3,5-Trimethylbenzene
 Concen: 2.278 ug/L
 RT: 10.76 min Scan# 3006
 Delta R.T. 0.00 min
 Lab File: VU033785.D
 Acq: 13 Aug 2019 16:46

Instrument :
 MSVOA_U
 ClientSampleId :
 MDL06

Tot Ion	Ratio	Lower	Upper
105	100		
120	46.9	39.4	59.2

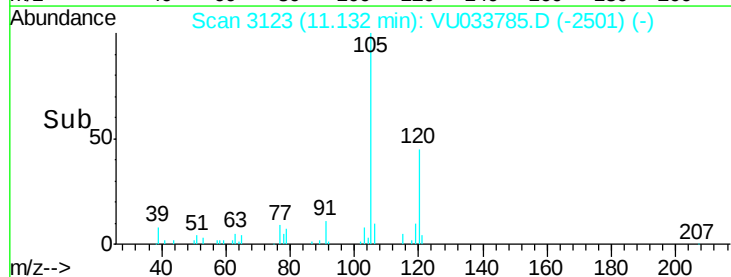
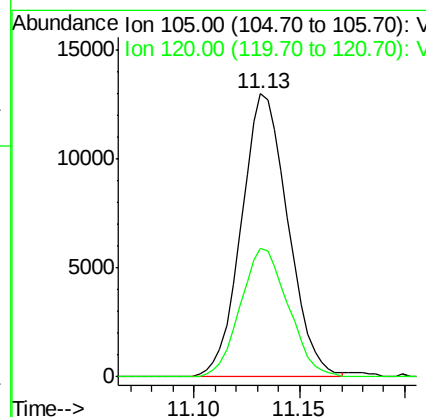
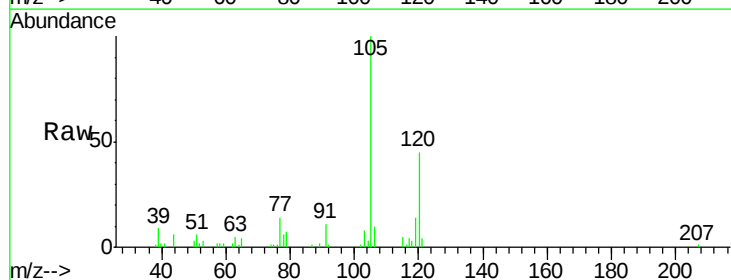
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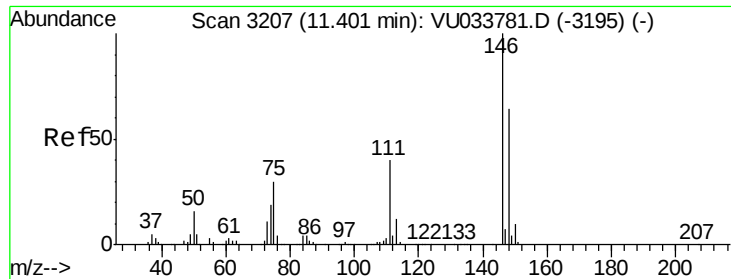
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#63
 1,2,4-Trimethylbenzene
 Concen: 2.152 ug/L
 RT: 11.13 min Scan# 3123
 Delta R.T. 0.00 min
 Lab File: VU033785.D
 Acq: 13 Aug 2019 16:46

Tgt Ion	Ratio	Lower	Upper
105	100		
120	46.4	36.6	55.0





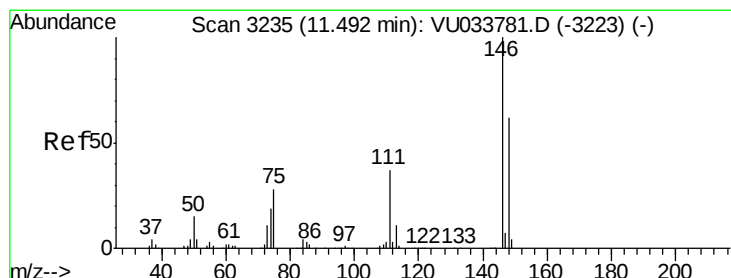
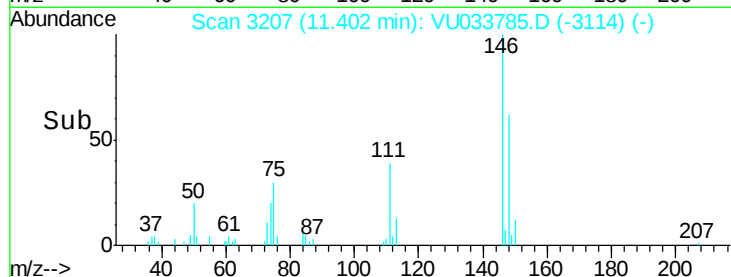
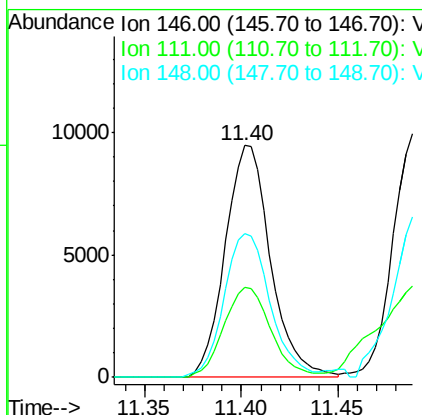
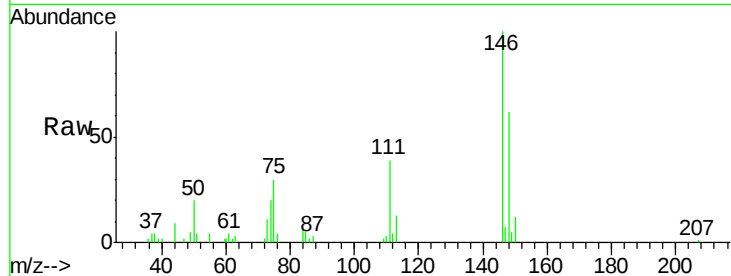
#64
 1,3-Dichlorobenzene
 Concen: 2.658 ug/L
 RT: 11.40 min Scan# 3207
 Delta R.T. 0.00 min
 Lab File: VU033785.D
 Acq: 13 Aug 2019 16:46

Instrument :
 MSVOA_U
 ClientSampled :
 MDL06

Tot Ion	Ratio	Lower	Upper
146	100		
111	39.0	27.1	50.3
148	62.1	45.0	83.6

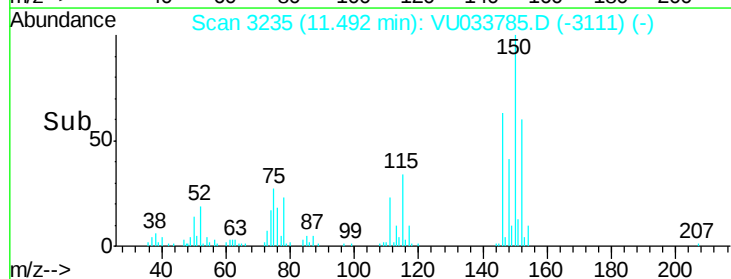
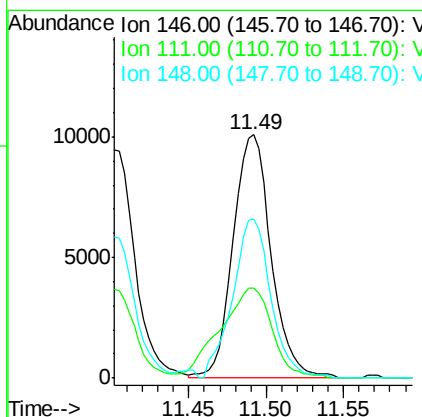
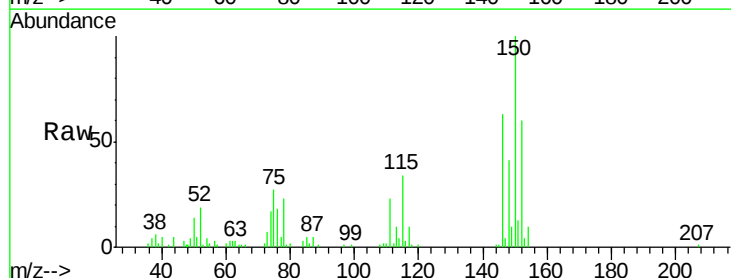
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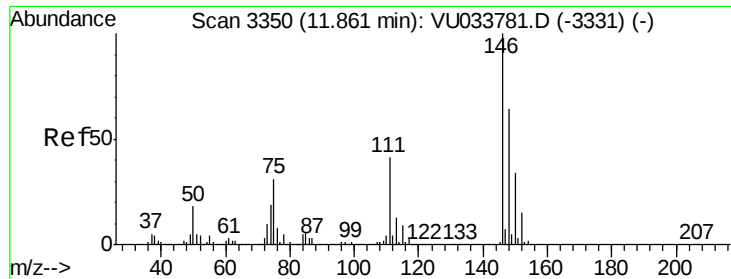
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#65
 1,4-Dichlorobenzene
 Concen: 2.890 ug/L
 RT: 11.49 min Scan# 3235
 Delta R.T. 0.00 min
 Lab File: VU033785.D
 Acq: 13 Aug 2019 16:46

Tgt Ion	Ratio	Lower	Upper
146	100		
111	37.1	26.5	49.3
148	65.4	43.9	81.5





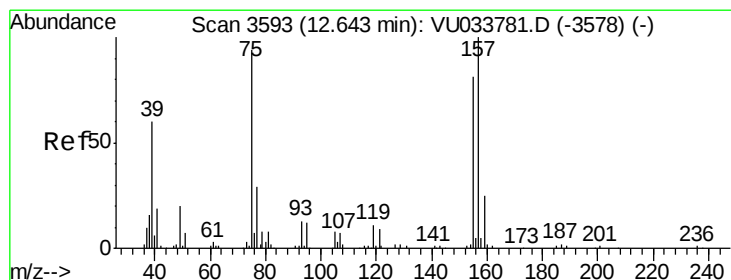
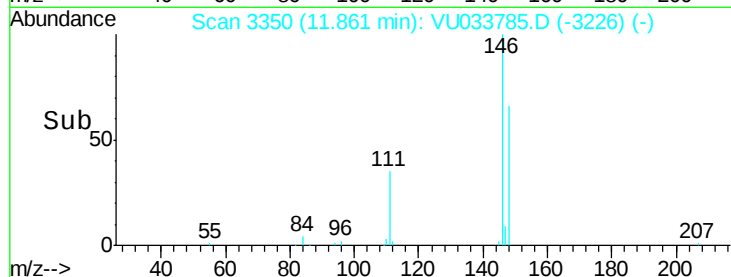
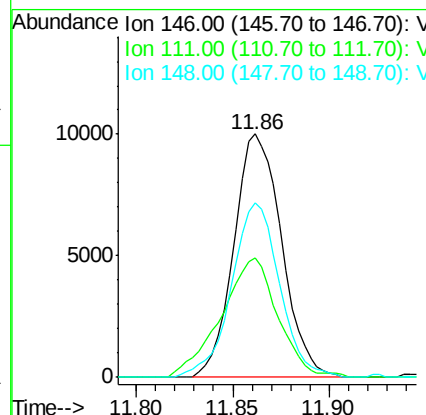
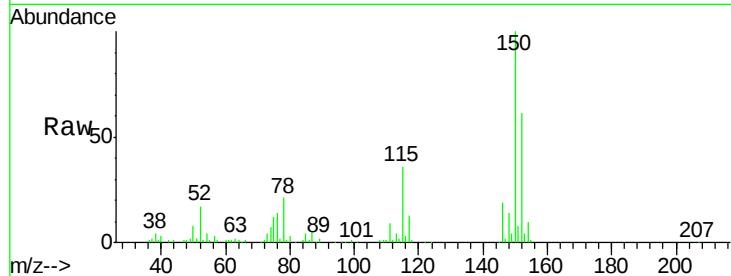
#67
 1,2-Dichlorobenzene
 Concen: 2.910 ug/L
 RT: 11.86 min Scan# 3350
 Delta R.T. 0.00 min
 Lab File: VU033785.D
 Acq: 13 Aug 2019 16:46

Instrument :
 MSVOA_U
 ClientSampled :
 MDL06

Tot Ion	Ratio	Lower	Upper
146	100		
111	48.9	33.1	49.7
148	71.5	51.8	77.8

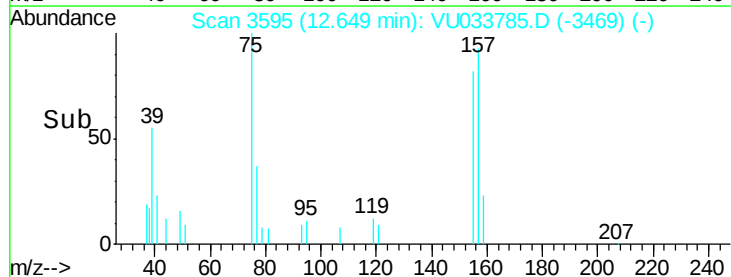
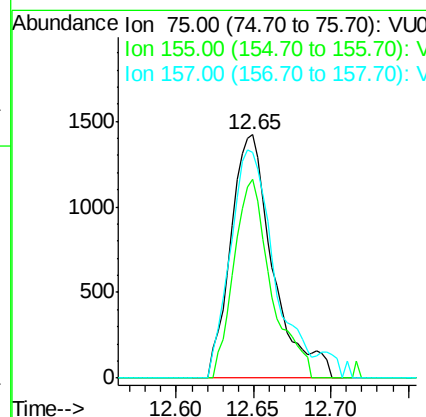
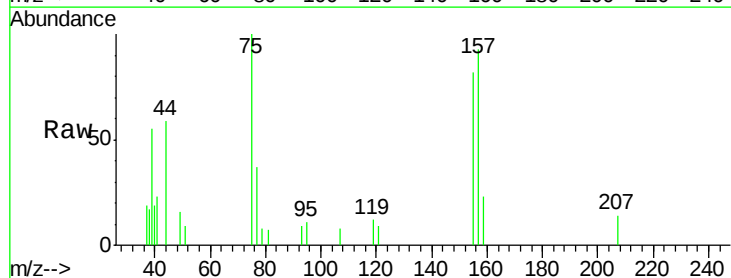
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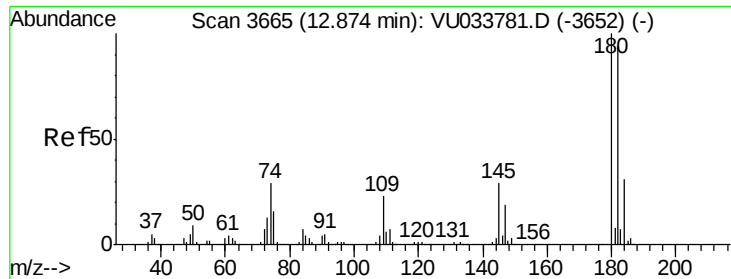
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#68
 1,2-Dibromo-3-chloropropane
 Concen: 2.546 ug/L
 RT: 12.65 min Scan# 3595
 Delta R.T. 0.01 min
 Lab File: VU033785.D
 Acq: 13 Aug 2019 16:46

Tgt Ion	Ratio	Lower	Upper
75	100		
155	81.6	65.9	98.9
157	92.5	86.3	129.5





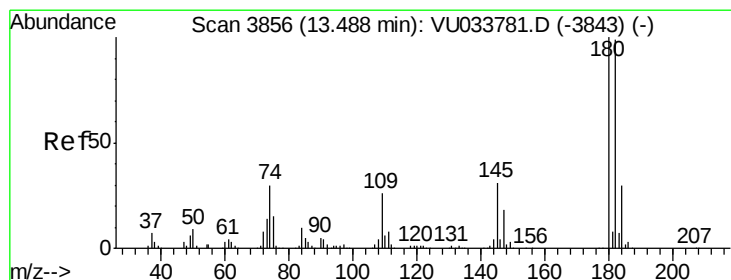
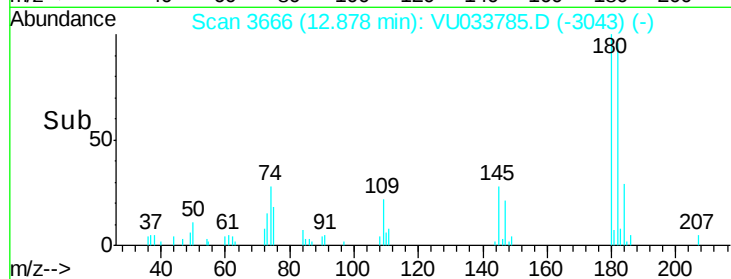
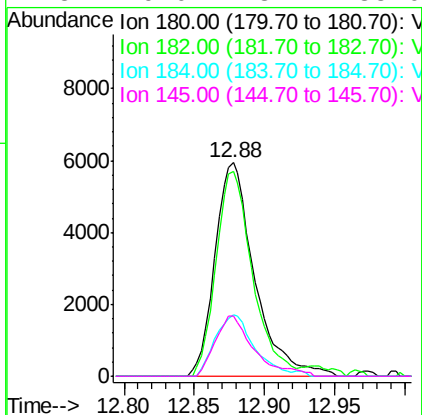
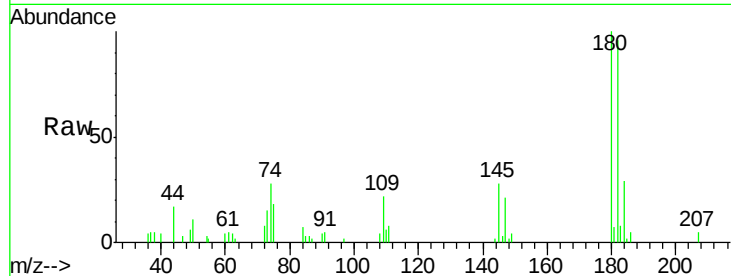
#69
 1,3,5-Trichlorobenzene
 Concen: 2.637 ug/L
 RT: 12.88 min Scan# 3666
 Delta R.T. 0.00 min
 Lab File: VU033785.D
 Acq: 13 Aug 2019 16:46

Instrument :
 MSVOA_U
 ClientSampled :
 MDL06

Tot Ion:	180	Resp:	11591
Ion Ratio	Lower	Upper	
180	100		
182	88.4	77.2	115.8
184	28.2	24.5	36.7
145	26.0	23.4	35.0

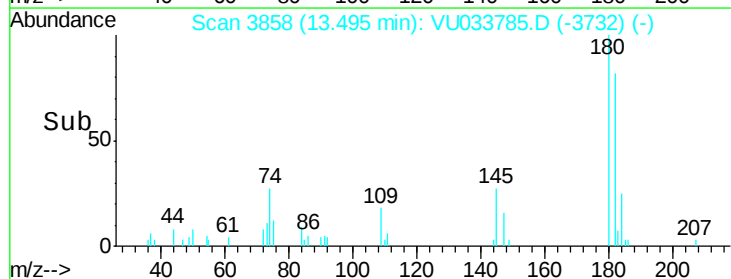
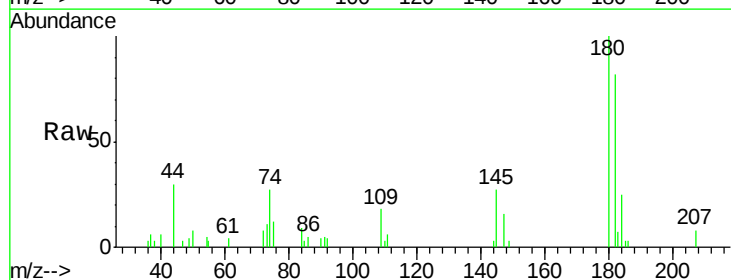
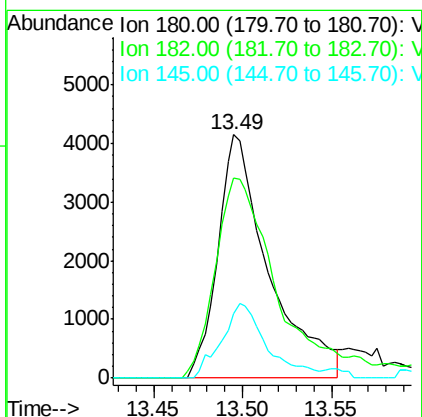
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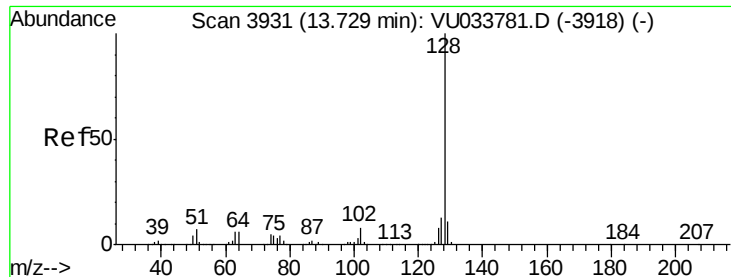
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#70
 1,2,4-trichlorobenzene
 Concen: 2.253 ug/L
 RT: 13.49 min Scan# 3858
 Delta R.T. 0.01 min
 Lab File: VU033785.D
 Acq: 13 Aug 2019 16:46

Tgt Ion:	180	Resp:	8211
Ion Ratio	Lower	Upper	
180	100		
182	97.3	75.3	112.9
145	27.3	23.3	34.9





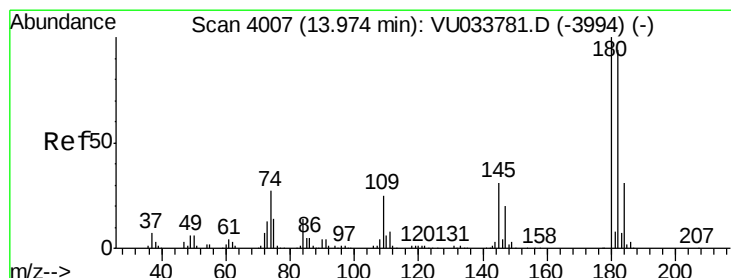
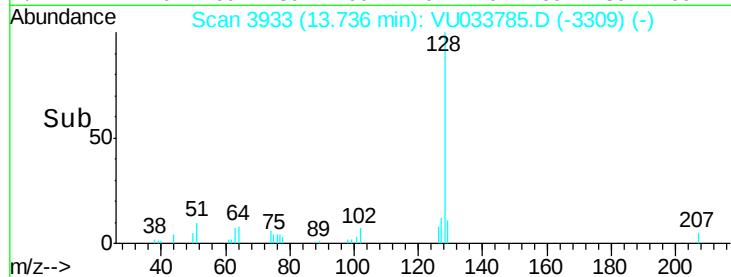
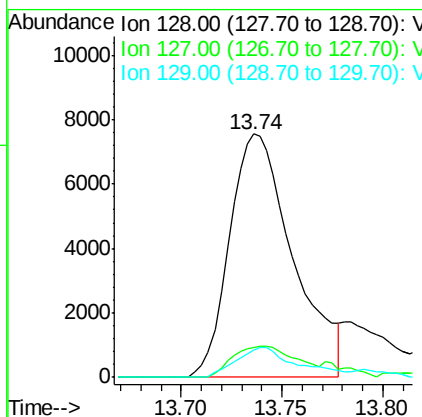
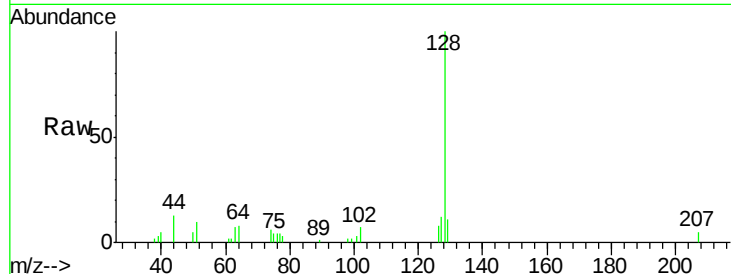
#71
Naphthalene
Concen: 1.528 ug/L
RT: 13.74 min Scan# 3933
Delta R.T. 0.01 min
Lab File: VU033785.D
Acq: 13 Aug 2019 16:46

Instrument :
MSVOA_U
ClientSampled :
MDL06

Tot Ion	Ratio	Lower	Upper
128	100		
127	12.7	11.0	16.4
129	11.8	8.5	12.7

Manual Integrations
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#72
1,2,3-Trichlorobenzene
Concen: 2.423 ug/L
RT: 13.98 min Scan# 4008
Delta R.T. 0.00 min
Lab File: VU033785.D
Acq: 13 Aug 2019 16:46

Tgt Ion	Ratio	Lower	Upper
180	100		
182	84.4	77.1	115.7
145	26.7	24.6	36.8

