

Data Path : Z:\VOASRV\HPCHEM1\MSVOA N\DATA\VN092319\
 Data File : VN058325.D
 Acq On : 24 Sep 2019 4:05
 Operator : JC/SP
 Sample : K5002-09MS
 Misc : 5.00mL/MSVOA N/WATER
 ALS Vial : 54 Sample Multiplier: 1

Instrument :
 MSVOA_N
 ClientSampleId :
 S49-0520MS

Manual Integrations
 APPROVED

MMDadoda
 9/25/2019 12:49:51 AM

Quant Time: Sep 25 12:15:03 2019
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_N\METHODS\82N091819W.M
 Quant Title : SW846 8260
 QLast Update : Thu Sep 19 09:27:53 2019
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Pentafluorobenzene	7.65	168	400707	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	8.58	114	732573	50.00	ug/l	0.00
63) Chlorobenzene-d5	11.41	117	675261	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.35	152	331392	50.00	ug/l	0.00

System Monitoring Compounds

33) 1,2-Dichloroethane-d4	8.01	65	315292	56.49	ug/l	0.00
Spiked Amount	50.000		Recovery	=	112.98%	
35) Dibromofluoromethane	7.57	113	227051	50.98	ug/l	0.00
Spiked Amount	50.000		Recovery	=	101.96%	
50) Toluene-d8	10.08	98	874282	50.39	ug/l	0.00
Spiked Amount	50.000		Recovery	=	100.78%	
62) 4-Bromofluorobenzene	12.41	95	321083	49.82	ug/l	0.00
Spiked Amount	50.000		Recovery	=	99.64%	

Target Compounds

						Qvalue
2) Dichlorodifluoromethane	1.83	85	130508	39.647	ug/l	98
3) Chloromethane	2.04	50	129138	50.915	ug/l	100
4) Vinyl Chloride	2.17	62	141811	51.131	ug/l	99
5) Bromomethane	2.54	94	72693	49.500	ug/l	96
6) Chloroethane	2.68	64	97666	55.132	ug/l	95
7) Trichlorofluoromethane	3.00	101	202205	45.004	ug/l	98
8) Diethyl Ether	3.39	74	104345	50.685	ug/l	95
9) 1,1,2-Trichlorotrifluoroet	3.74	101	140046	43.232	ug/l	97
10) Methyl Iodide	3.93	142	140560	51.782	ug/l	100
11) Tert butyl alcohol	4.76	59	183625	276.593	ug/l	100
12) 1,1-Dichloroethene	3.72	96	124965	50.838	ug/l	94
13) Acrolein	3.59	56	35578	361.621	ug/l	97
14) Allyl chloride	4.30	41	230177	43.423	ug/l	91
15) Acrylonitrile	4.96	53	548960	310.363	ug/l	99
16) Acetone	3.80	43	469190	247.667	ug/l	99
17) Carbon Disulfide	4.03	76	155578	44.987	ug/l	99
18) Methyl Acetate	4.30	43	263209	52.801	ug/l	100
19) Methyl tert-butyl Ether	5.02	73	679823	55.641	ug/l	100
20) Methylene Chloride	4.53	84	183217	55.263	ug/l	98
21) trans-1,2-Dichloroethene	5.02	96	134694	50.283	ug/l	95
22) Diisopropyl ether	5.93	45	743303	55.202	ug/l	98
23) Vinyl Acetate	5.87	43	2442933	265.146	ug/l	100
24) 1,1-Dichloroethane	5.83	63	406471	56.560	ug/l	99
25) 2-Butanone	6.82	43	750010	290.595	ug/l	100
26) 2,2-Dichloropropane	6.81	77	190565	31.256	ug/l	95
27) cis-1,2-Dichloroethene	6.81	96	214177	52.707	ug/l	95
28) Bromochloromethane	7.18	49	207803	61.124	ug/l #	97
29) Tetrahydrofuran	7.19	42	470810	296.146	ug/l	99
30) Chloroform	7.36	83	414640	53.601	ug/l	100
31) Cyclohexane	7.64	56	215802	46.275	ug/l	99
32) 1,1,1-Trichloroethane	7.55	97	313925	53.307	ug/l	99
36) 1,1-Dichloropropene	7.78	75	225894	42.759	ug/l	99
37) Ethyl Acetate	6.91	43	272929	49.782	ug/l	99
38) Carbon Tetrachloride	7.76	117	244161	45.977	ug/l	98

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 Quant Title : SW846 8260
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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
39) Methylcyclohexane	9.07	83	191503	37.509	ug/l	97
40) Benzene	8.03	78	769121	47.665	ug/l	99
41) Methacrylonitrile	7.16	41	132327m	47.949	ug/l	
42) 1,2-Dichloroethane	8.11	62	341679	50.464	ug/l	100
43) Isopropyl Acetate	8.15	43	533949	52.147	ug/l	98
44) Trichloroethene	8.83	130	183125	46.377	ug/l	100
45) 1,2-Dichloropropane	9.11	63	247934	51.451	ug/l	98
46) Dibromomethane	9.20	93	148410	50.656	ug/l	99
47) Bromodichloromethane	9.40	83	326075	53.126	ug/l	99
48) Methyl methacrylate	9.19	41	255527	54.963	ug/l	99
49) 1,4-Dioxane	9.19	88	77226	1011.759	ug/l	95
51) 4-Methyl-2-Pentanone	9.98	43	1711341	314.665	ug/l	99
52) Toluene	10.15	92	484970	47.957	ug/l	99
53) t-1,3-Dichloropropene	10.38	75	315863	50.239	ug/l	99
54) cis-1,3-Dichloropropene	9.83	75	332904	47.959	ug/l	97
55) 1,1,2-Trichloroethane	10.56	97	241905	53.904	ug/l	99
56) Ethyl methacrylate	10.43	69	356309	55.029	ug/l	100
57) 1,3-Dichloropropane	10.71	76	400176	51.871	ug/l	100
59) 2-Hexanone	10.75	43	1232173	305.053	ug/l	99
60) Dibromochloromethane	10.90	129	240289	55.656	ug/l	99
61) 1,2-Dibromoethane	11.00	107	218743	52.596	ug/l	100
64) Tetrachloroethene	10.63	164	134915	40.986	ug/l	100
65) Chlorobenzene	11.44	112	569740	47.969	ug/l	97
66) 1,1,1,2-Tetrachloroethane	11.51	131	225587	52.380	ug/l	99
67) Ethyl Benzene	11.51	91	1009007	49.579	ug/l	99
68) m/p-Xylenes	11.63	106	730509	95.303	ug/l	98
69) o-Xylene	11.95	106	377010	50.021	ug/l	98
70) Stvrene	11.97	104	661883	50.968	ug/l	99
71) Bromoform	12.13	173	152704	47.981	ug/l #	99
73) Isopropylbenzene	12.25	105	1035716	49.931	ug/l	100
74) N-amyl acetate	12.07	43	454656	52.394	ug/l	99
75) 1,1,2,2-Tetrachloroethane	12.51	83	390627	56.235	ug/l	99
76) 1,2,3-Trichloropropane	12.56	75	310296m	52.319	ug/l	
77) Bromobenzene	12.53	156	250388	47.988	ug/l	97
78) n-propylbenzene	12.60	91	1206048	51.166	ug/l	99
79) 2-Chlorotoluene	12.68	91	740610	50.274	ug/l	100
80) 1,3,5-Trimethylbenzene	12.74	105	895177	51.034	ug/l	98
81) trans-1,4-Dichloro-2-buten	12.31	75	85558	43.752	ug/l	97
82) 4-Chlorotoluene	12.78	91	771638	49.831	ug/l	100
83) tert-Butylbenzene	13.00	119	780027	49.866	ug/l	98
84) 1,2,4-Trimethylbenzene	13.05	105	923371	52.898	ug/l	99
85) sec-Butylbenzene	13.18	105	1052870	51.472	ug/l	99
86) p-Isopropyltoluene	13.30	119	933414	51.329	ug/l	100
87) 1,3-Dichlorobenzene	13.29	146	478238	50.182	ug/l	99
88) 1,4-Dichlorobenzene	13.37	146	475351	48.857	ug/l	100
89) n-Butylbenzene	13.62	91	831090	48.205	ug/l	99
90) Hexachloroethane	13.88	117	155206	48.747	ug/l	98
91) 1,2-Dichlorobenzene	13.66	146	486544	50.895	ug/l	99
92) 1,2-Dibromo-3-Chloropropan	14.28	75	74356	59.458	ug/l	96
93) 1,2,4-Trichlorobenzene	14.92	180	289025	47.319	ug/l	100

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Quant Title : SW846 8260
QLast Update : Thu Sep 19 09:27:53 2019
Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
94) Hexachlorobutadiene	15.02	225	126432	42.827	ug/l	96
95) Naphthalene	15.14	128	867637	54.812	ug/l	100
96) 1,2,3-Trichlorobenzene	15.30	180	283780	49.156	ug/l	99

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

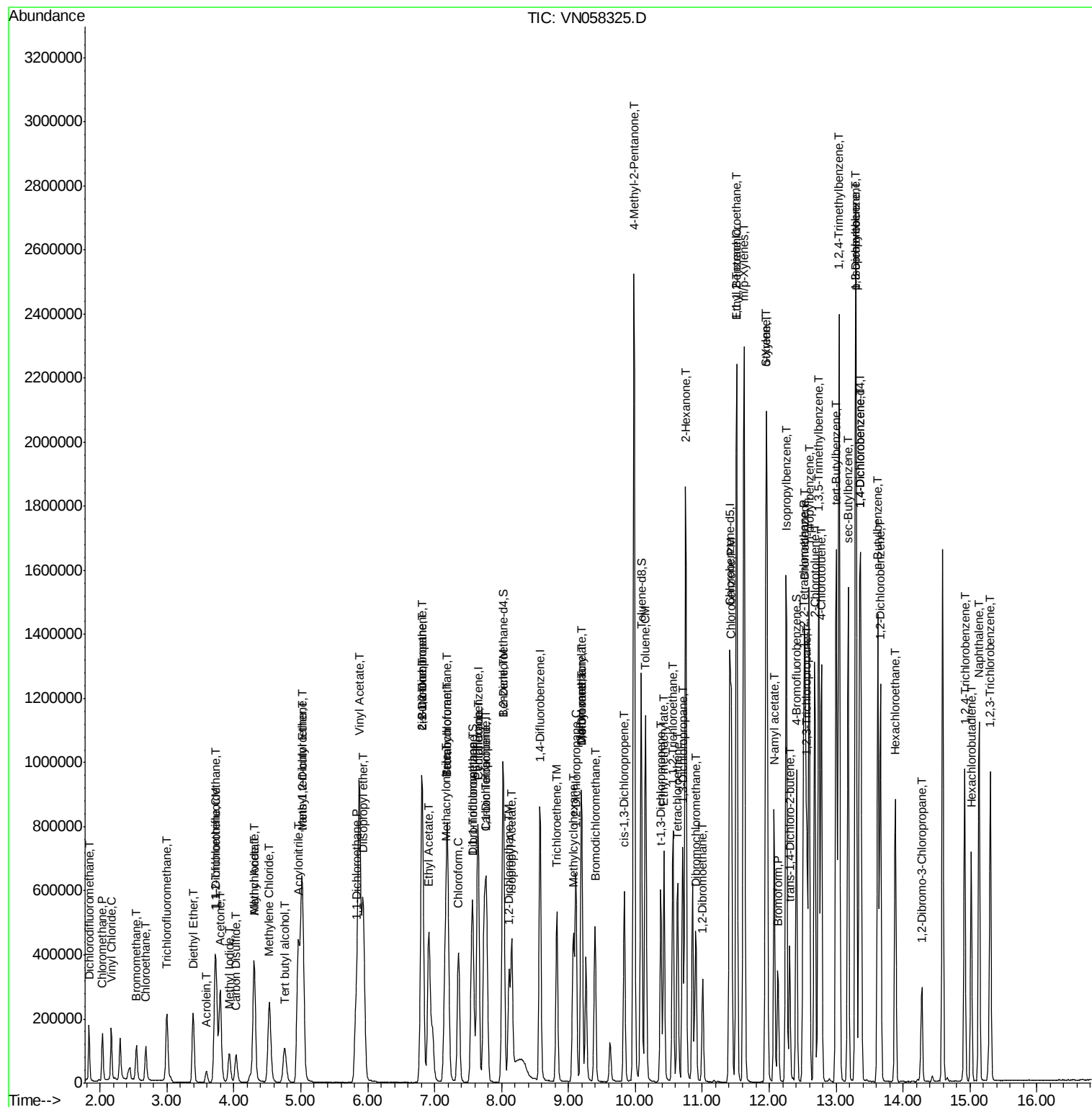
Data Path : Z:\V0ASRV\HPCHEM1\MSVOA N\DATA\VN092319\
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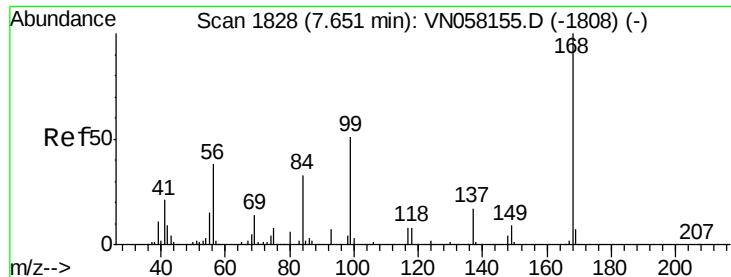
Instrument :
MSVOA_N
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#1

Pentafluorobenzene

Concen: 50.000 ug/l

RT: 7.65 min Scan# 1829

Delta R.T. 0.00 min

Lab File: VN058325.D

Acq: 24 Sep 2019 4:05

Instrument :

MSVOA_N

ClientSampleId :

S49-0520MS

Tot Ion:168 Resp: 400707

Ion Ratio Lower Upper

168 100

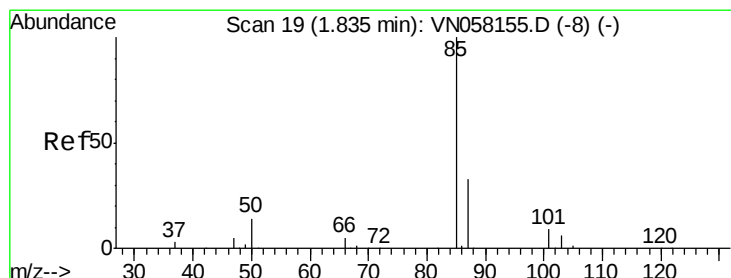
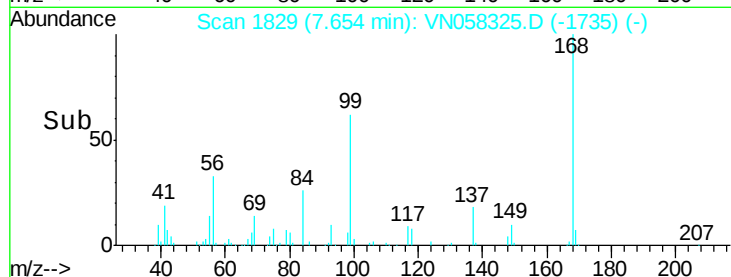
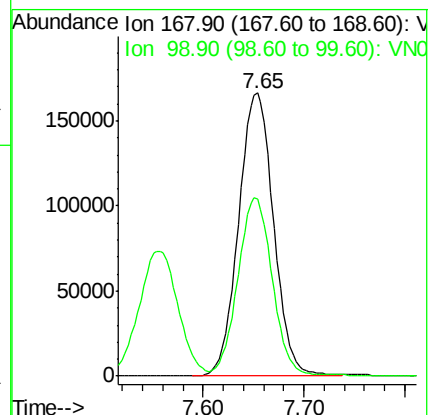
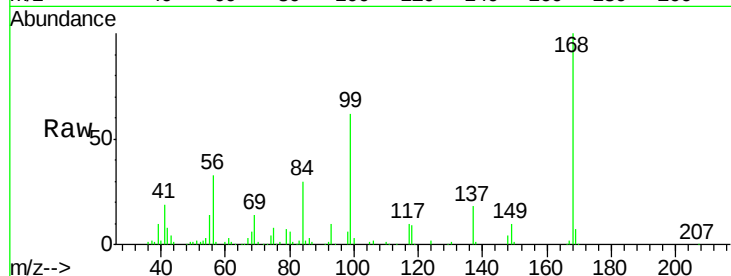
99 61.9 47.4 71.2

Manual Integrations

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#2

Dichlorodifluoromethane

Concen: 39.647 ug/l

RT: 1.83 min Scan# 19

Delta R.T. -0.00 min

Lab File: VN058325.D

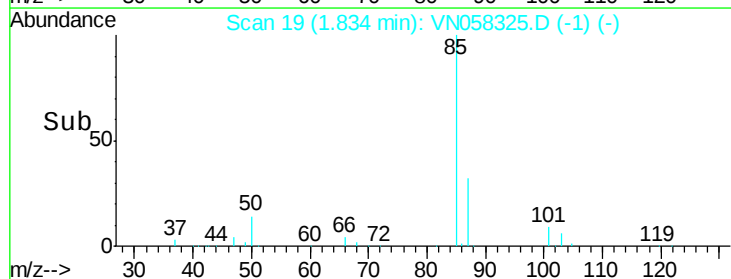
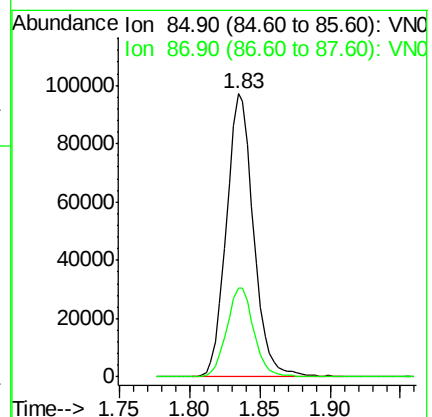
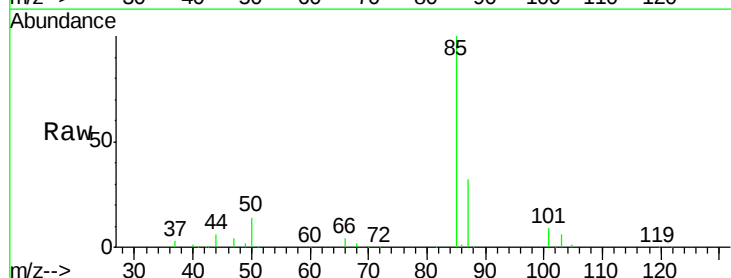
Acq: 24 Sep 2019 4:05

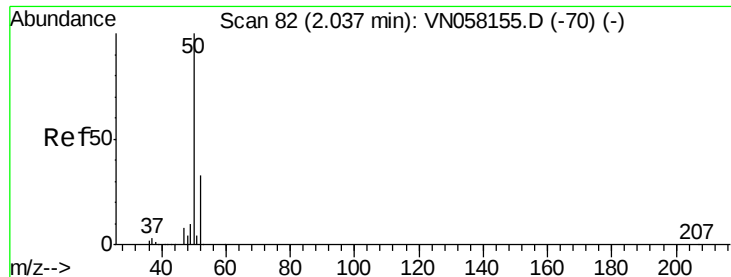
Tgt Ion: 85 Resp: 130508

Ion Ratio Lower Upper

85 100

87 31.5 16.3 48.9





#3

Chloromethane

Concen: 50.915 ug/l

RT: 2.04 min Scan# 82

Delta R.T. -0.00 min

Lab File: VN058325.D

Acq: 24 Sep 2019 4:05

Tot Ion: 50 Resp: 129138

Ion Ratio Lower Upper

50 100

52 33.0 26.3 39.5

Instrument :

MSVOA_N

ClientSampleId :

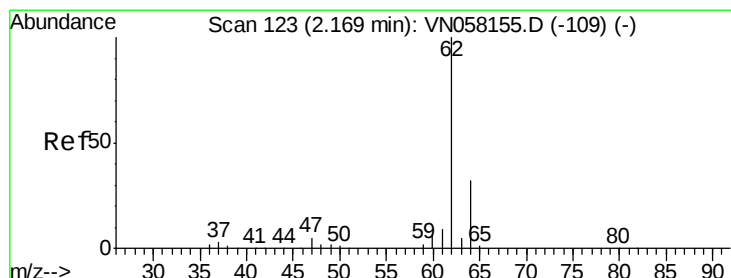
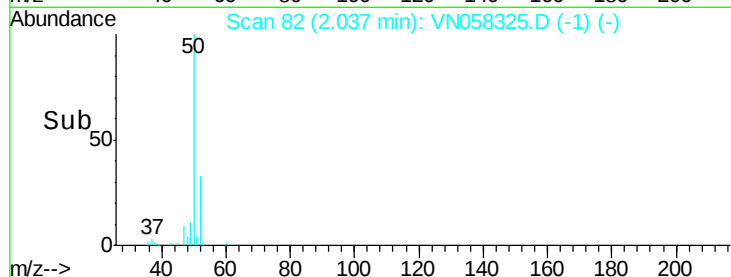
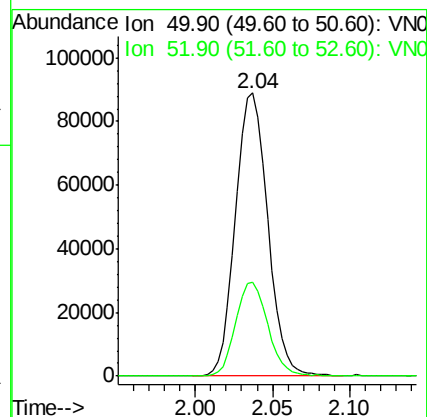
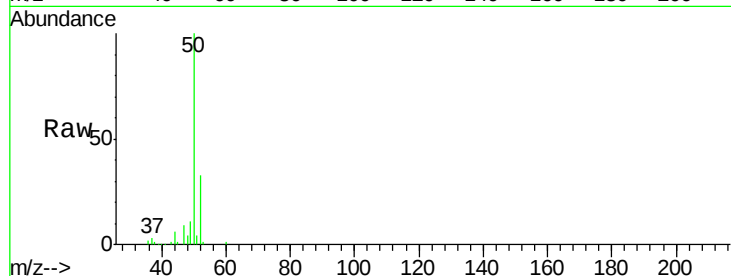
S49-0520MS

Manual Integrations

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#4

Vinyl Chloride

Concen: 51.131 ug/l

RT: 2.17 min Scan# 123

Delta R.T. 0.00 min

Lab File: VN058325.D

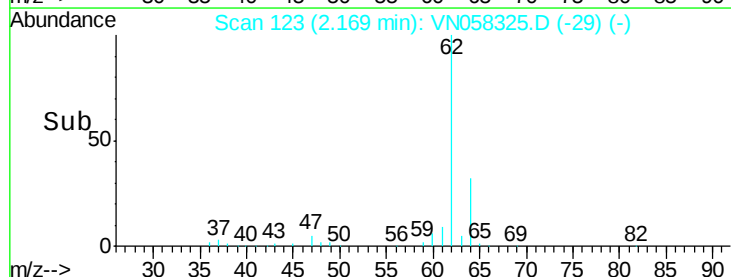
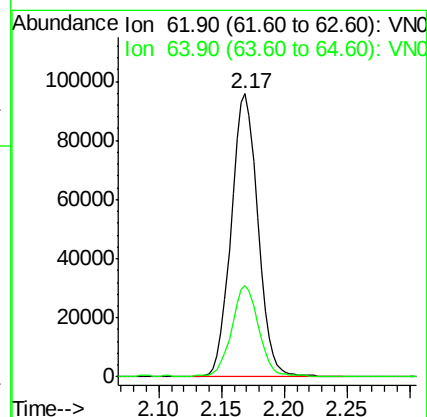
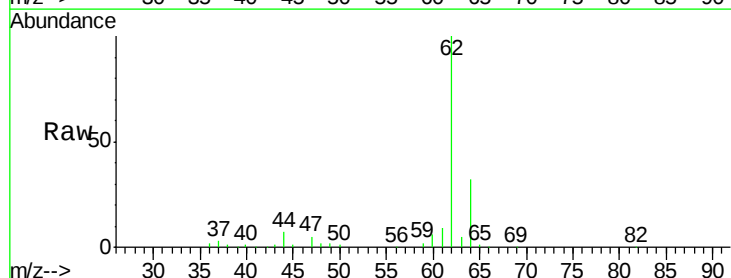
Acq: 24 Sep 2019 4:05

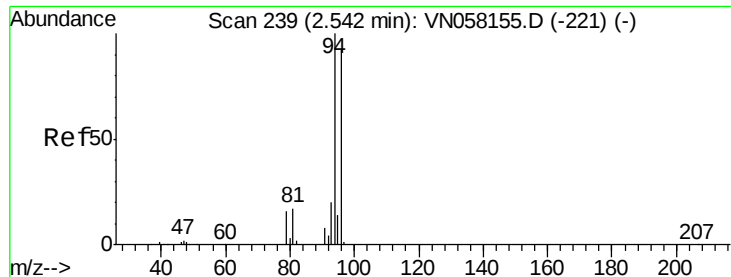
Tgt Ion: 62 Resp: 141811

Ion Ratio Lower Upper

62 100

64 32.1 25.4 38.2





#5

Bromomethane

Concen: 49.500 ug/l

RT: 2.54 min Scan# 240

Delta R.T. 0.00 min

Lab File: VN058325.D

Acq: 24 Sep 2019 4:05

Instrument :

MSVOA_N

ClientSampleId :

S49-0520MS

Tot Ion: 94 Resp: 72693

Ion Ratio Lower Upper

94 100

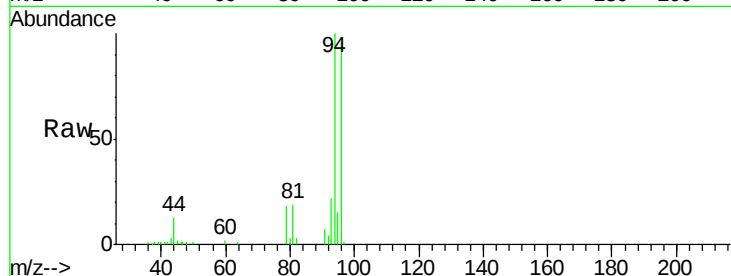
96 95.9 73.3 109.9

Manual Integrations

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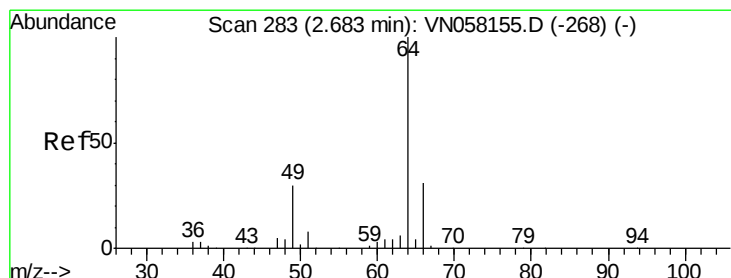
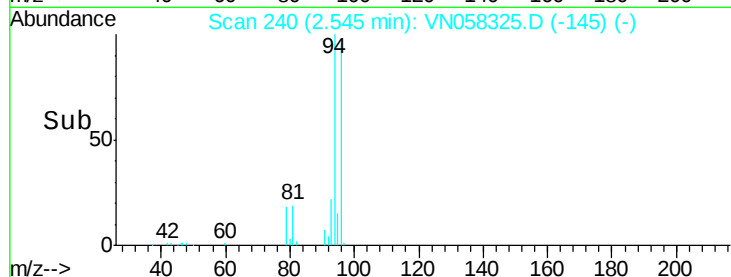
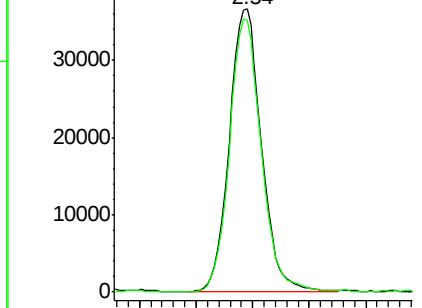
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Abundance Ion 93.90 (93.60 to 94.60): VN0

Ion 95.90 (95.60 to 96.60): VN0



#6

Chloroethane

Concen: 55.132 ug/l

RT: 2.68 min Scan# 283

Delta R.T. 0.00 min

Lab File: VN058325.D

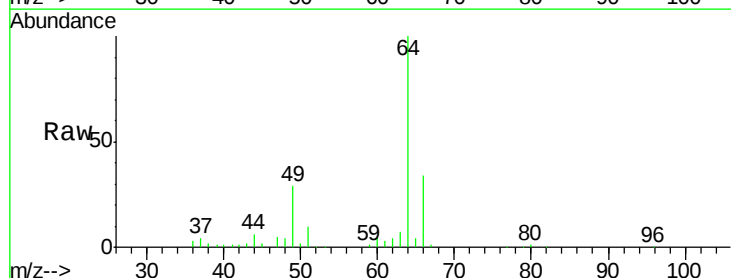
Acq: 24 Sep 2019 4:05

Tgt Ion: 64 Resp: 97666

Ion Ratio Lower Upper

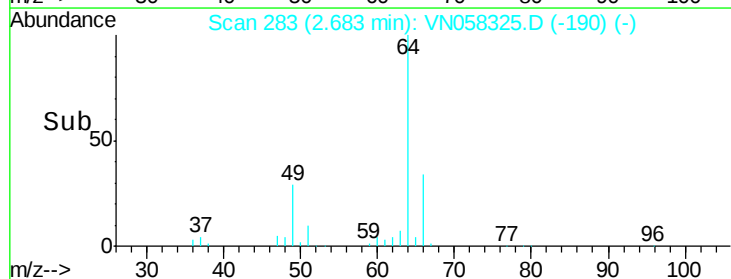
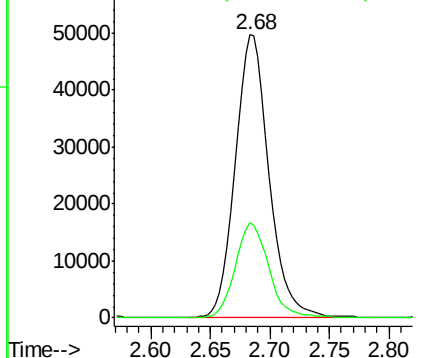
64 100

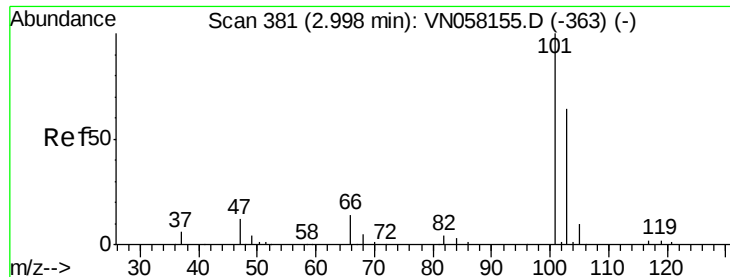
66 33.6 24.6 37.0



Abundance Ion 63.90 (63.60 to 64.60): VN0

Ion 65.90 (65.60 to 66.60): VN0





#7

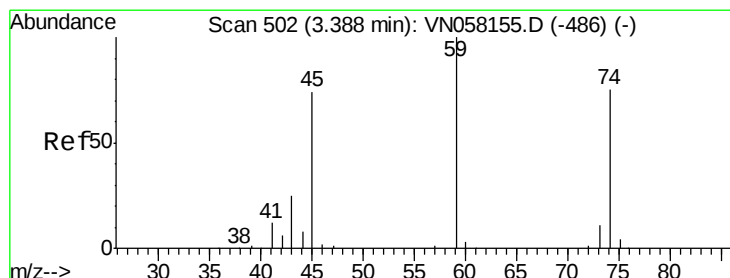
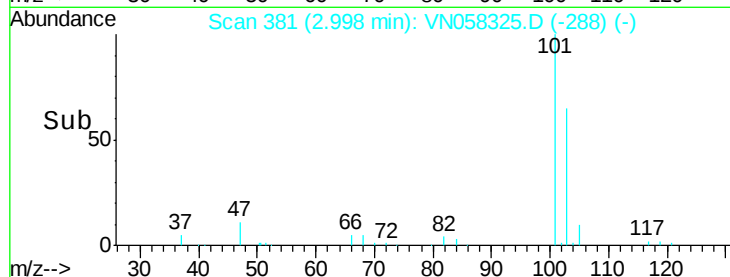
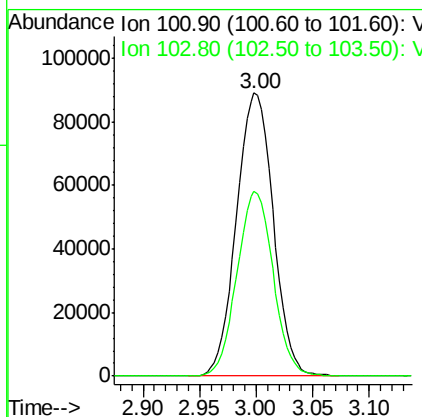
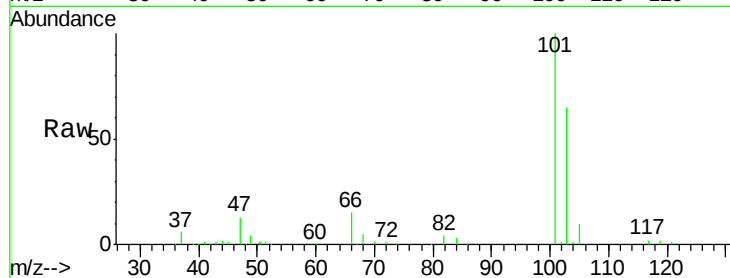
Trichlorofluoromethane
Concen: 45.004 ug/l
RT: 3.00 min Scan# 381
Delta R.T. -0.00 min
Lab File: VN058325.D
Acq: 24 Sep 2019 4:05

Instrument :
MSVOA_N
ClientSampled :
S49-0520MS

Tot Ion	Ratio	Lower	Upper
101	100		
103	65.5	51.0	76.6

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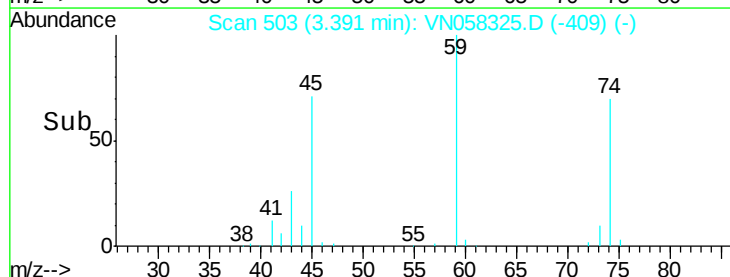
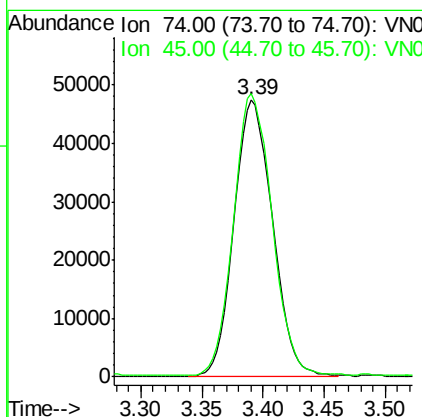
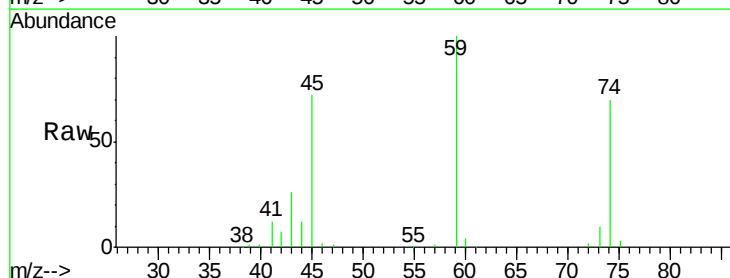
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#8

Diethyl Ether
Concen: 50.685 ug/l
RT: 3.39 min Scan# 503
Delta R.T. 0.00 min
Lab File: VN058325.D
Acq: 24 Sep 2019 4:05

Tgt Ion	Ratio	Lower	Upper
74	100		
45	101.7	48.5	145.5





#9

1,1,2-Trichlorotrifluoroethane

Concen: 43.232 ug/l

RT: 3.74 min Scan# 611

Delta R.T. -0.00 min

Lab File: VN058325.D

Acq: 24 Sep 2019 4:05

Instrument :

MSVOA_N

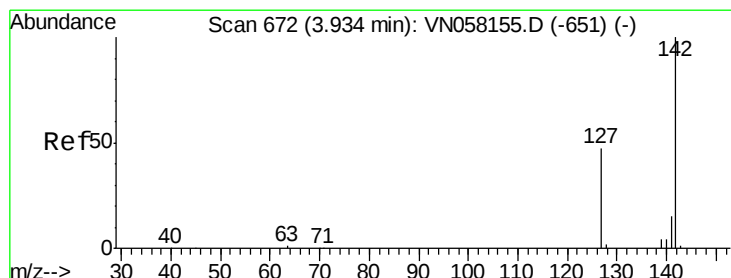
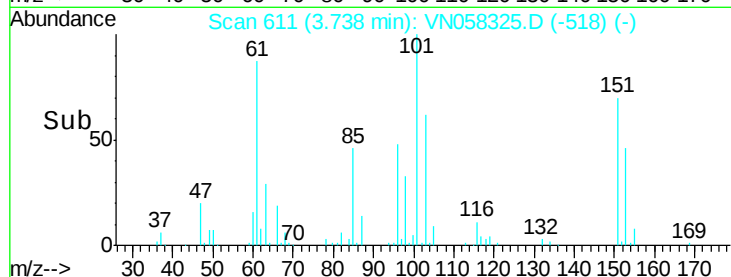
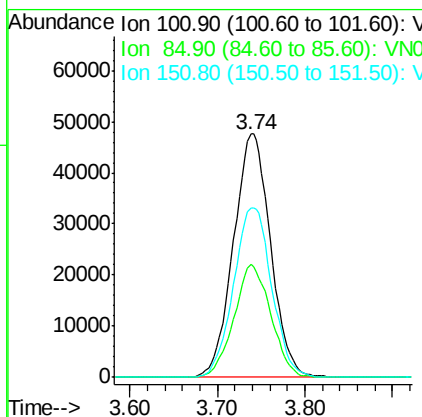
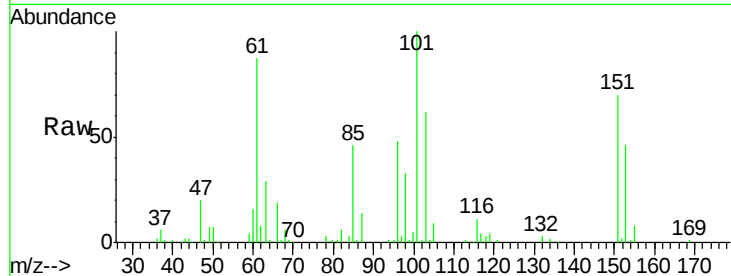
ClientSampleId :

S49-0520MS

Tot Ion:	101	Resp:	140046
Ion Ratio	Lower	Upper	
101	100		
85	45.9	37.3	55.9
151	71.6	59.6	89.4

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#10

Methyl Iodide

Concen: 51.782 ug/l

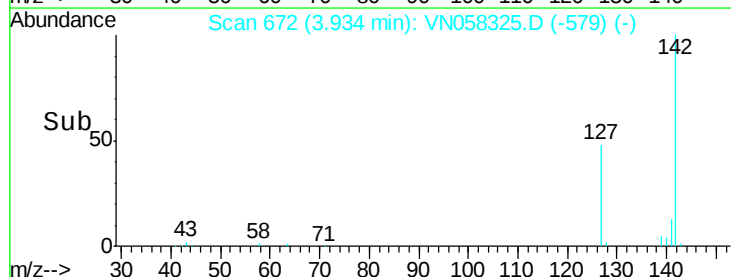
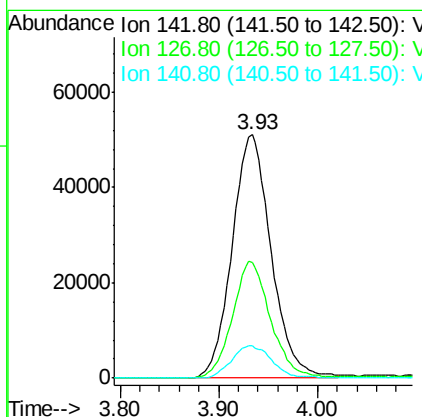
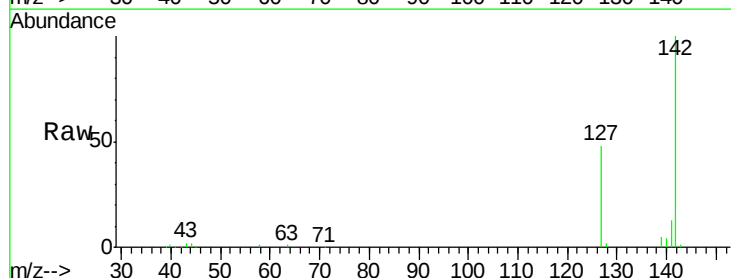
RT: 3.93 min Scan# 672

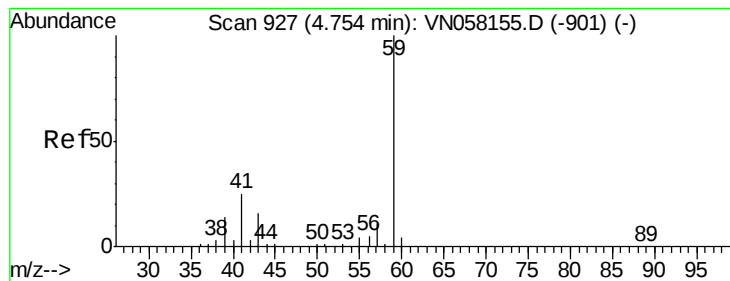
Delta R.T. -0.00 min

Lab File: VN058325.D

Acq: 24 Sep 2019 4:05

Tgt Ion:	142	Resp:	140560
Ion Ratio	Lower	Upper	
142	100		
127	46.8	37.5	56.3
141	13.8	11.4	17.2





#11

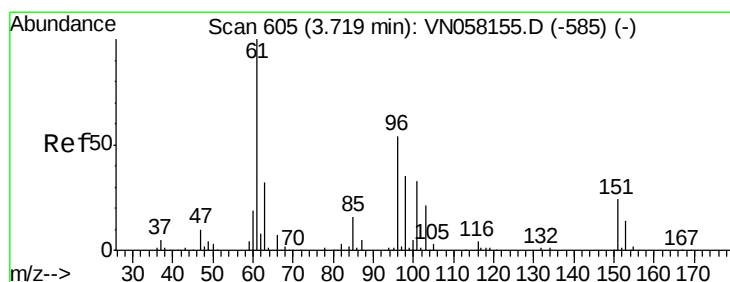
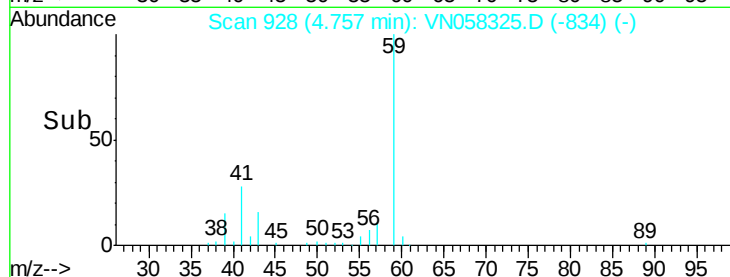
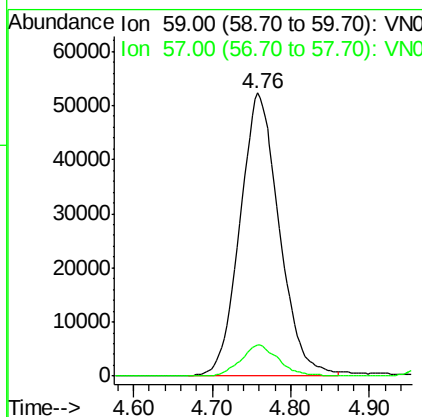
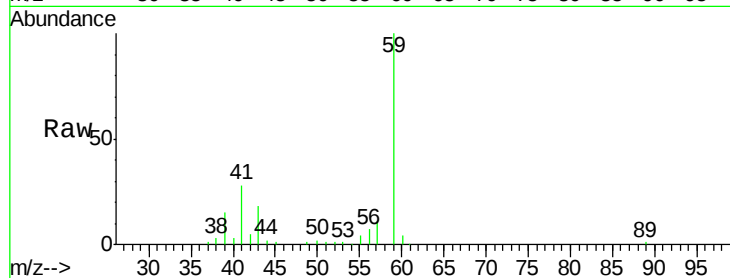
Tert butyl alcohol
Concen: 276.593 ug/l
RT: 4.76 min Scan# 928
Delta R.T. 0.00 min
Lab File: VN058325.D
Acq: 24 Sep 2019 4:05

Instrument :
MSVOA_N
ClientSampleId :
S49-0520MS

Tot Ion	Ratio	Resp	Lower	Upper
59	100	183625		
57	10.6		8.6	13.0

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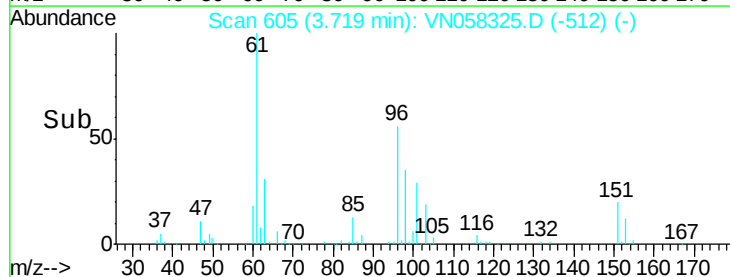
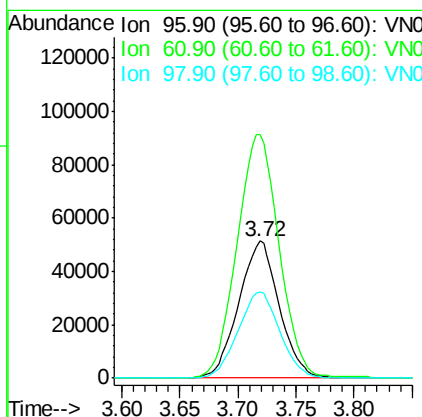
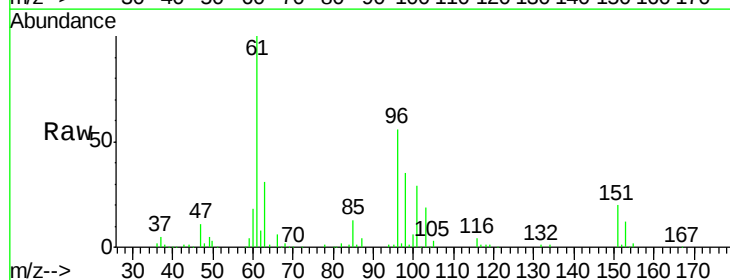
MMDadoda
9/25/2019 12:49:51 AM



#12

1,1-Dichloroethene
Concen: 50.838 ug/l
RT: 3.72 min Scan# 605
Delta R.T. 0.00 min
Lab File: VN058325.D
Acq: 24 Sep 2019 4:05

Tgt Ion	Ratio	Resp	Lower	Upper
96	100	124965		
61	177.6		149.5	224.3
98	63.1		52.4	78.6





#13

Acrolein

Concen: 361.621 ug/l

RT: 3.59 min Scan# 564

Delta R.T. 0.00 min

Lab File: VN058325.D

Acq: 24 Sep 2019 4:05

Instrument :

MSVOA_N

ClientSampleId :

S49-0520MS

Tot Ion: 56 Resp: 35578

Ion Ratio Lower Upper

56 100

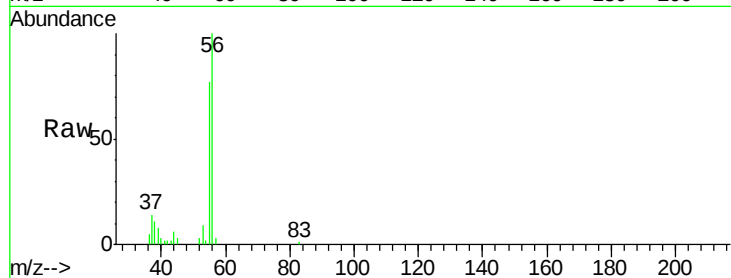
55 72.8 56.1 84.1

Manual Integrations

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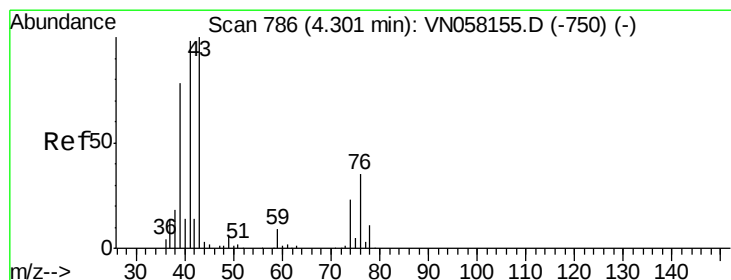
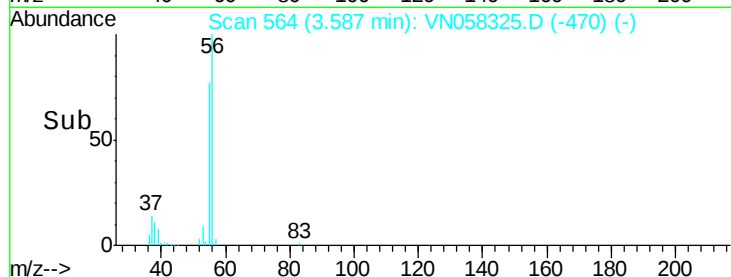
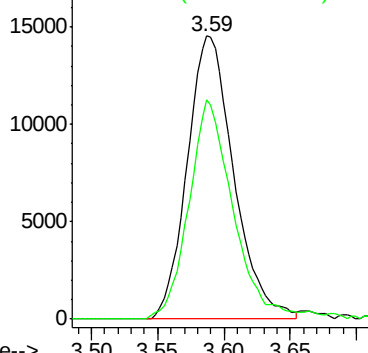
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Abundance Ion 56.00 (55.70 to 56.70): VN0

Ion 55.00 (54.70 to 55.70): VN0



#14

Allyl chloride

Concen: 43.423 ug/l

RT: 4.30 min Scan# 786

Delta R.T. -0.00 min

Lab File: VN058325.D

Acq: 24 Sep 2019 4:05

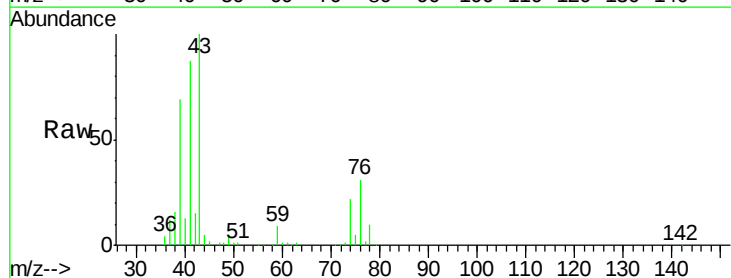
Tgt Ion: 41 Resp: 230177

Ion Ratio Lower Upper

41 100

39 82.3 59.1 88.7

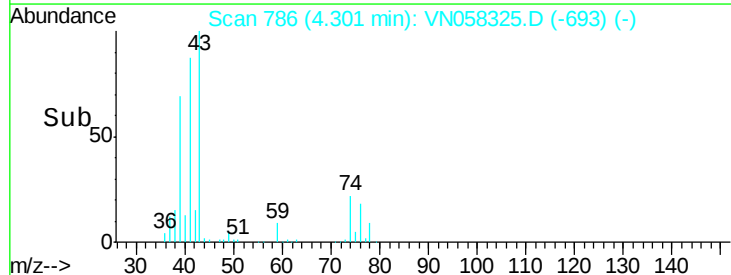
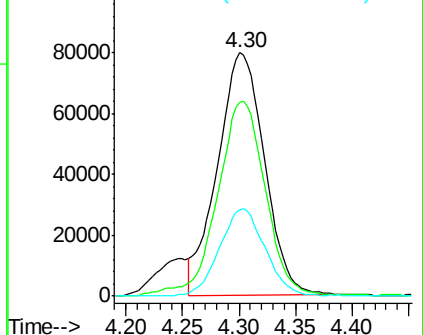
76 35.1 25.1 37.7

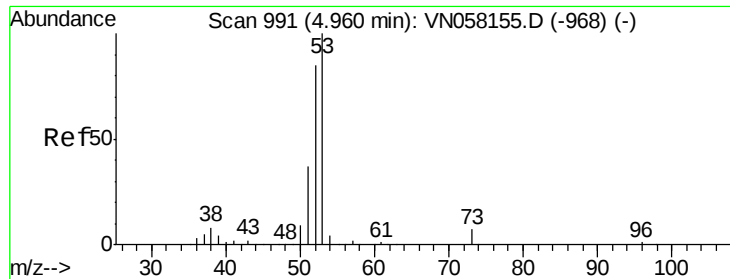


Abundance Ion 41.00 (40.70 to 41.70): VN0

Ion 39.00 (38.70 to 39.70): VN0

Ion 75.90 (75.60 to 76.60): VN0





#15

Acrylonitrile

Concen: 310.363 ug/l

RT: 4.96 min Scan# 991

Delta R.T. -0.00 min

Lab File: VN058325.D

Acq: 24 Sep 2019 4:05

Instrument :

MSVOA_N

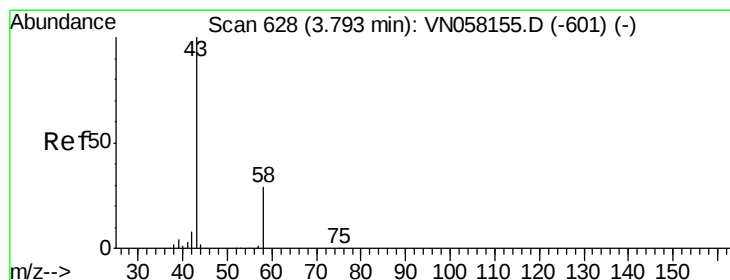
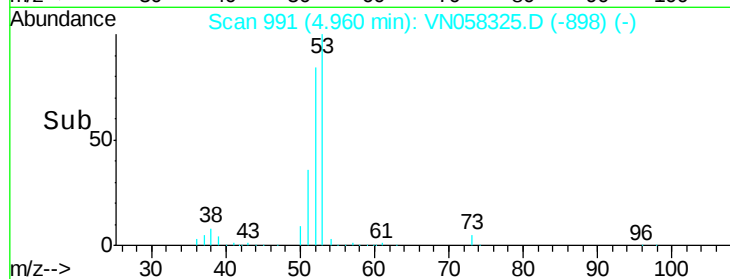
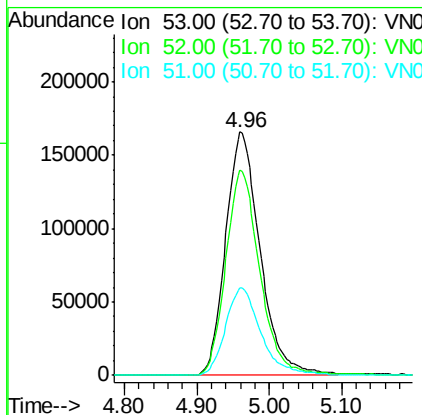
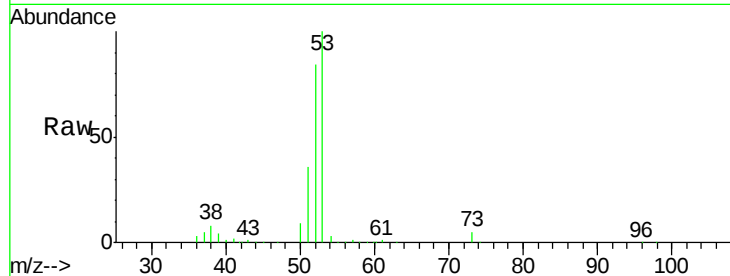
ClientSampleId :

S49-0520MS

Tot Ion:	53	Resp:	548960
Ion Ratio	Lower	Upper	
53	100		
52	82.4	66.6	100.0
51	37.0	29.7	44.5

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#16

Acetone

Concen: 247.667 ug/l

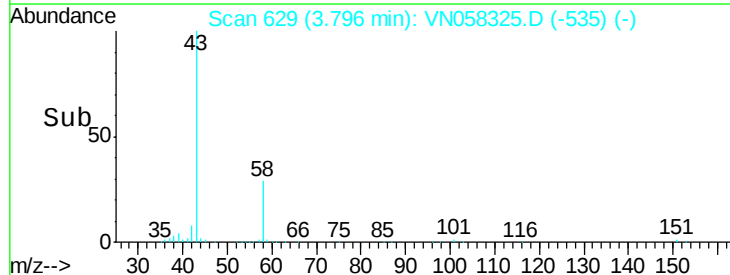
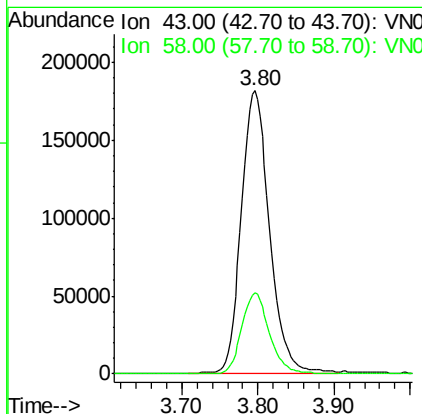
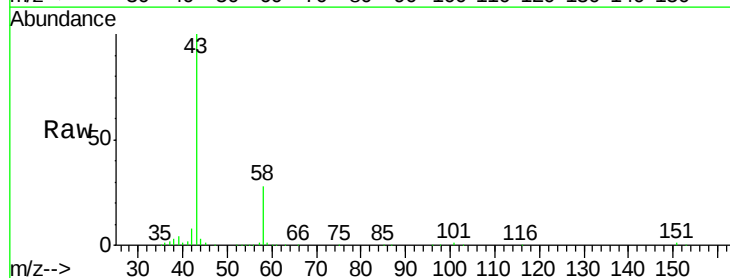
RT: 3.80 min Scan# 629

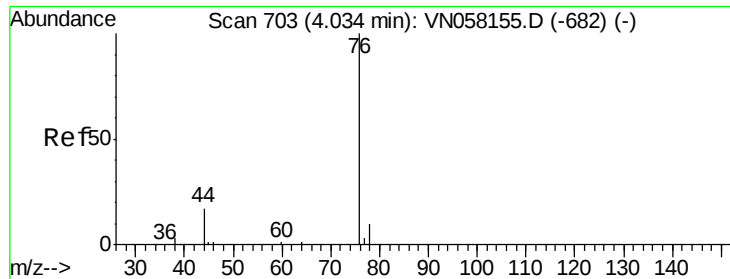
Delta R.T. 0.00 min

Lab File: VN058325.D

Acq: 24 Sep 2019 4:05

Tgt Ion:	43	Resp:	469190
Ion Ratio	Lower	Upper	
43	100		
58	28.5	23.4	35.2





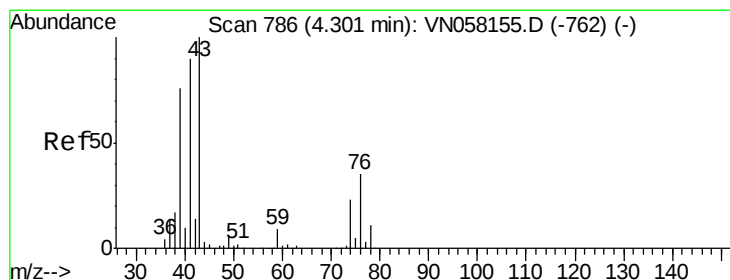
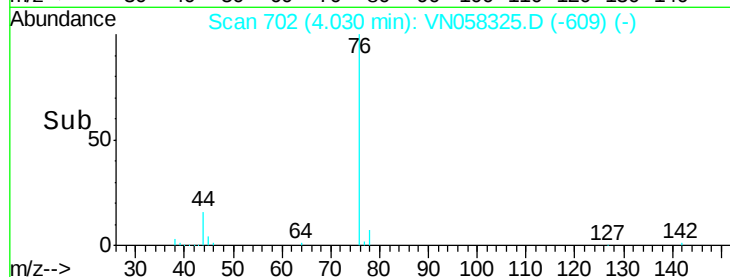
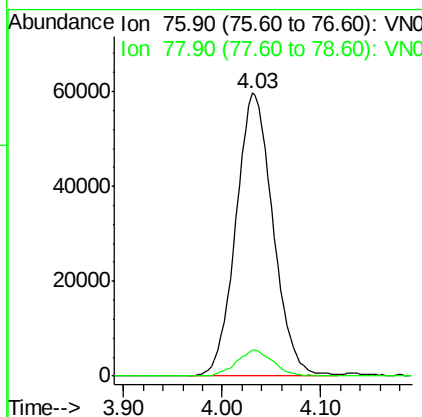
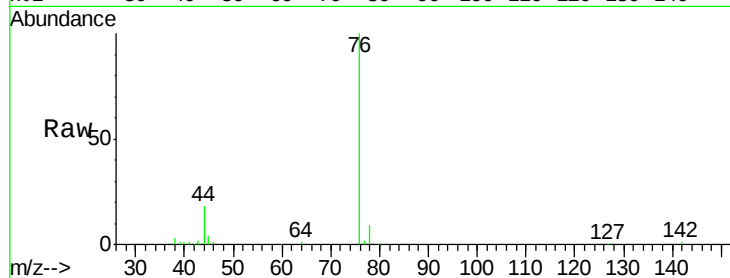
#17
Carbon Disulfide
Concen: 44.987 ug/l
RT: 4.03 min Scan# 702
Delta R.T. -0.00 min
Lab File: VN058325.D
Acq: 24 Sep 2019 4:05

Instrument :
MSVOA_N
ClientSampleId :
S49-0520MS

Tot Ion	Ratio	Lower	Upper
76	100		
78	9.1	7.7	11.5

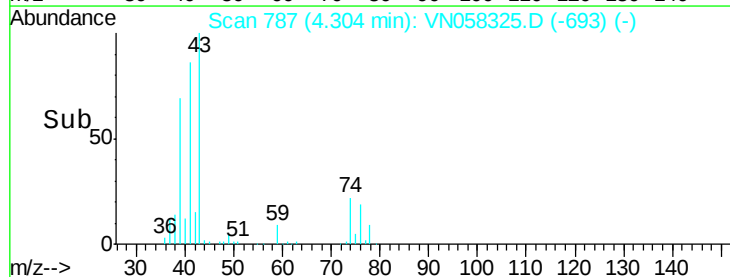
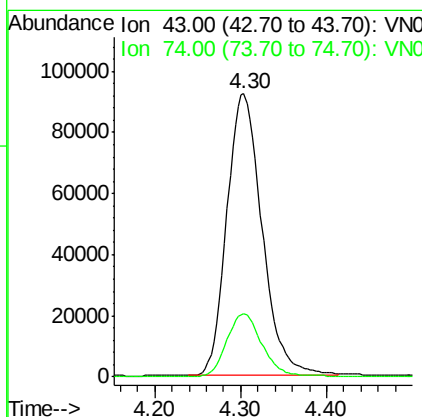
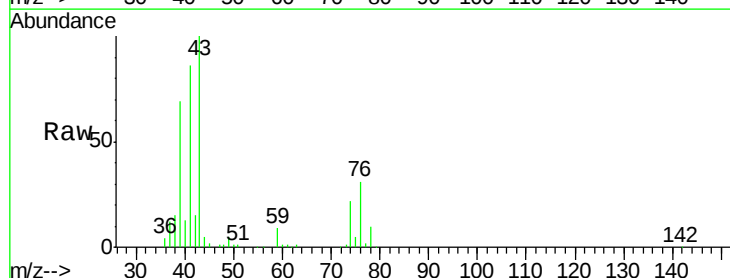
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#18
Methyl Acetate
Concen: 52.801 ug/l
RT: 4.30 min Scan# 787
Delta R.T. 0.00 min
Lab File: VN058325.D
Acq: 24 Sep 2019 4:05

Tgt Ion	Ratio	Lower	Upper
43	100		
74	22.4	18.0	27.0





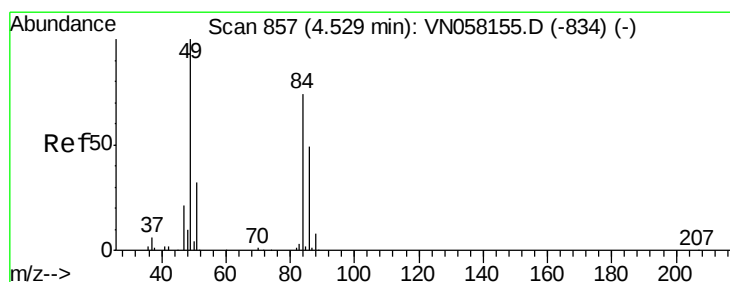
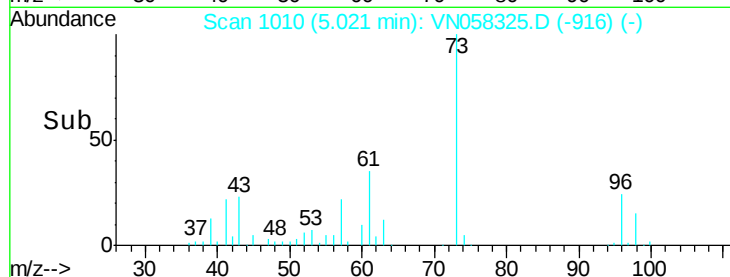
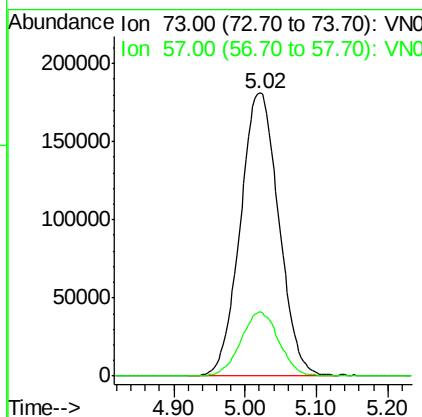
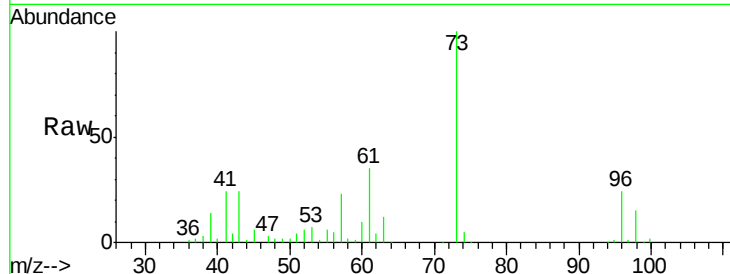
#19
Methvl tert-butvl Ether
Concen: 55.641 ug/l
RT: 5.02 min Scan# 1010
Delta R.T. 0.00 min
Lab File: VN058325.D
Acq: 24 Sep 2019 4:05

Instrument :
MSVOA_N
ClientSampleId :
S49-0520MS

Tot Ion: 73 Resp: 679823
Ion Ratio Lower Upper
73 100
57 22.7 18.1 27.1

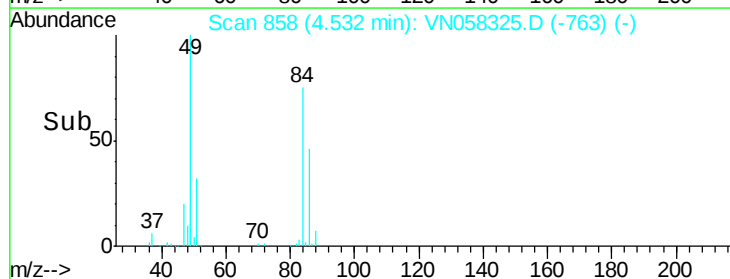
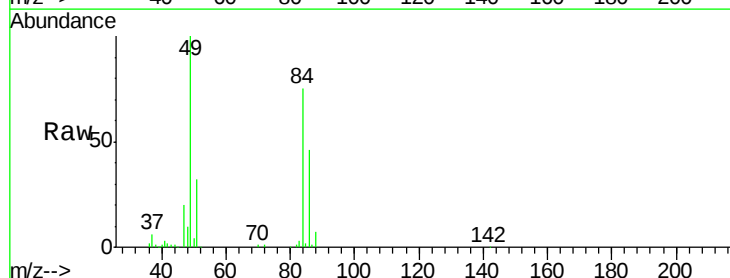
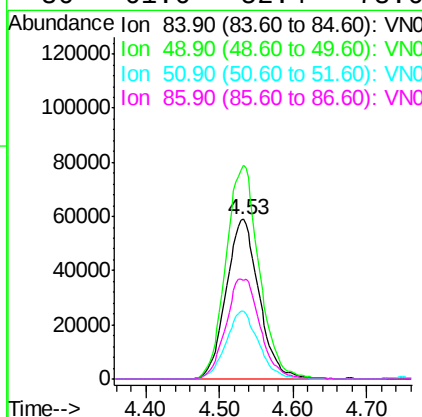
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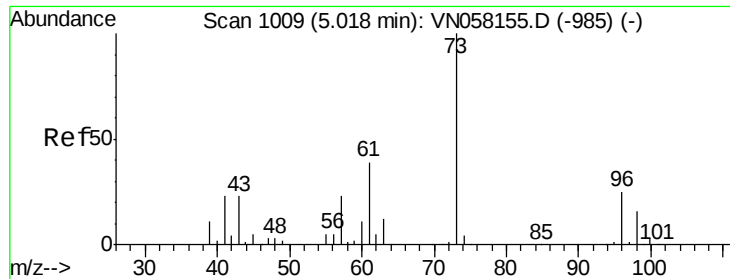
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#20
Methylene Chloride
Concen: 55.263 ug/l
RT: 4.53 min Scan# 858
Delta R.T. 0.00 min
Lab File: VN058325.D
Acq: 24 Sep 2019 4:05

Tgt Ion: 84 Resp: 183217
Ion Ratio Lower Upper
84 100
49 133.6 107.5 161.3
51 42.8 33.9 50.9
86 61.6 52.4 78.6





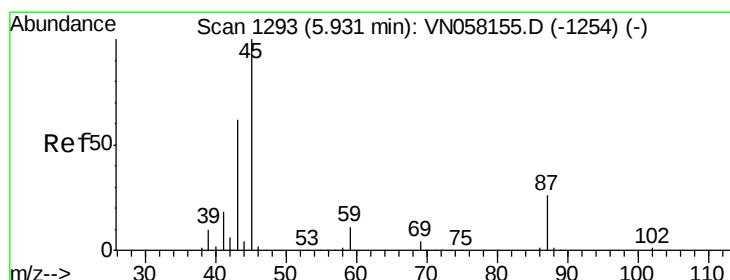
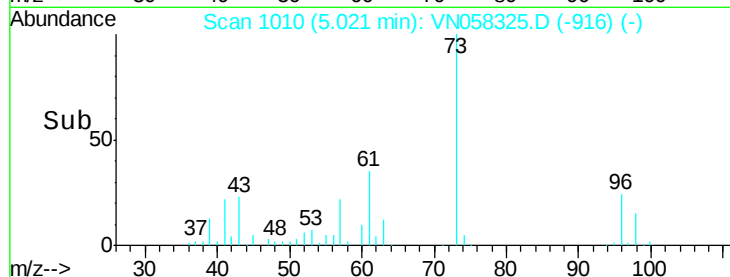
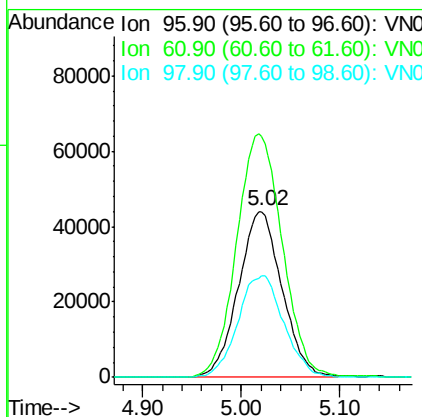
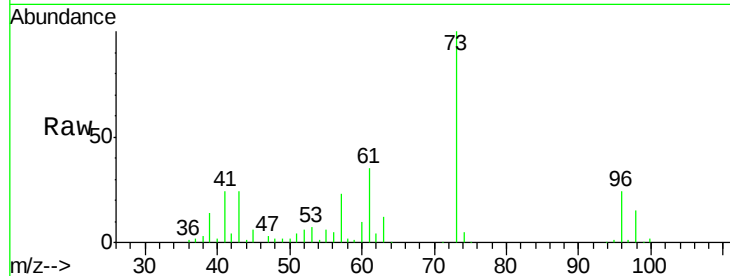
#21
trans-1,2-Dichloroethene
Concen: 50.283 ug/l
RT: 5.02 min Scan# 1010
Delta R.T. 0.00 min
Lab File: VN058325.D
Acq: 24 Sep 2019 4:05

Instrument :
MSVOA_N
ClientSampleId :
S49-0520MS

Tot Ion	Ratio	Lower	Upper
96	100		
61	145.0	122.2	183.4
98	61.5	49.9	74.9

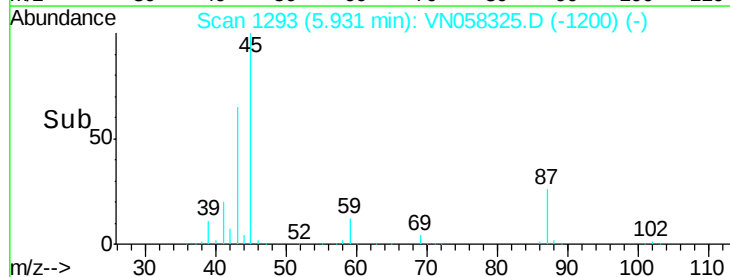
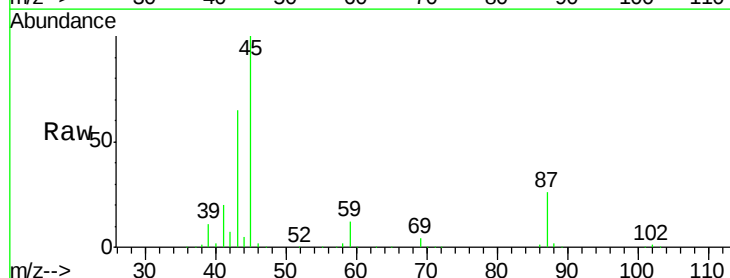
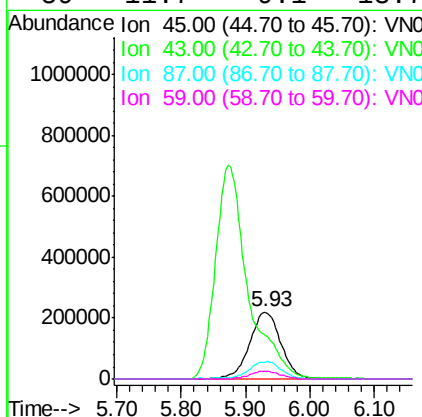
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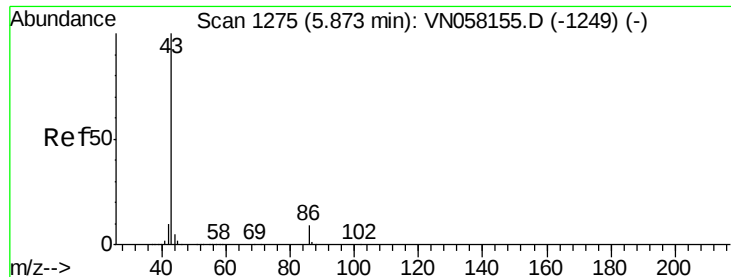
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#22
Diisopropyl ether
Concen: 55.202 ug/l
RT: 5.93 min Scan# 1293
Delta R.T. -0.00 min
Lab File: VN058325.D
Acq: 24 Sep 2019 4:05

Tgt Ion	Ratio	Lower	Upper
45	100		
43	64.5	49.7	74.5
87	25.8	20.7	31.1
59	11.7	9.1	13.7





#23

Vinyl Acetate

Concen: 265.146 ug/l

RT: 5.87 min Scan# 1275

Delta R.T. -0.00 min

Lab File: VN058325.D

Acq: 24 Sep 2019 4:05

Instrument :

MSVOA_N

ClientSampleId :

S49-0520MS

Tot Ion: 43 Resp: 2442933

Ion Ratio Lower Upper

43 100

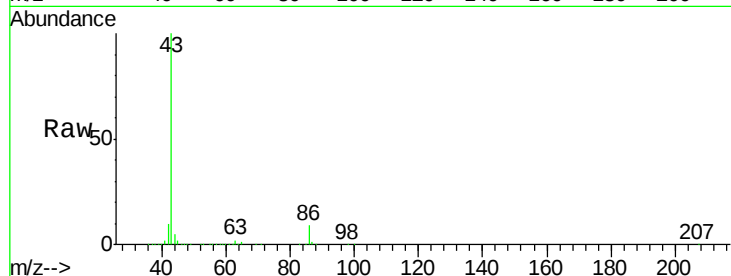
86 9.3 7.4 11.2

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Abundance Ion 43.00 (42.70 to 43.70): VN0

Ion 86.00 (85.70 to 86.70): VN0

5.87

800000

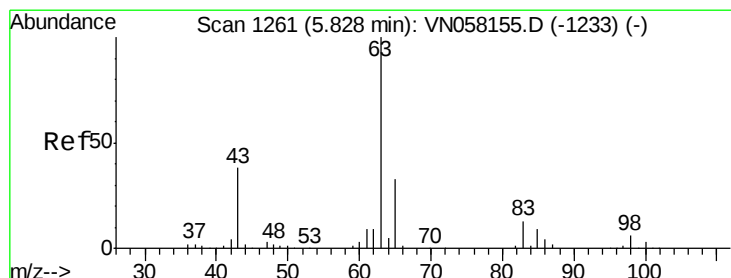
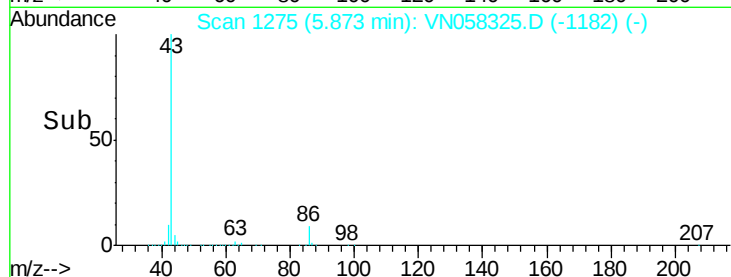
600000

400000

200000

0

Time--> 5.70 5.80 5.90 6.00 6.10



#24

1,1-Dichloroethane

Concen: 56.560 ug/l

RT: 5.83 min Scan# 1261

Delta R.T. -0.00 min

Lab File: VN058325.D

Acq: 24 Sep 2019 4:05

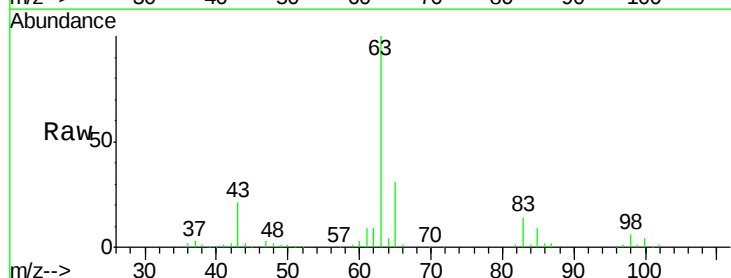
Tgt Ion: 63 Resp: 406471

Ion Ratio Lower Upper

63 100

98 6.0 2.9 8.6

100 3.7 1.8 5.3



Abundance Ion 62.90 (62.60 to 63.60): VN0

Ion 97.90 (97.60 to 98.60): VN0

Ion 99.90 (99.60 to 100.60): VN0

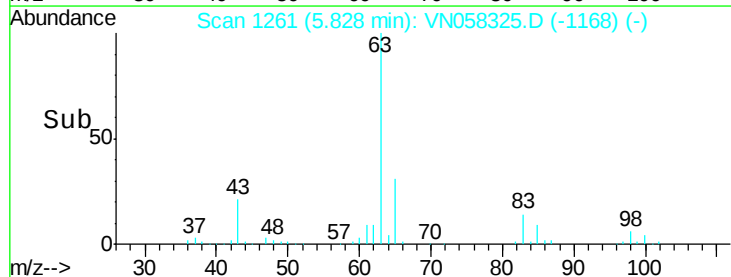
150000

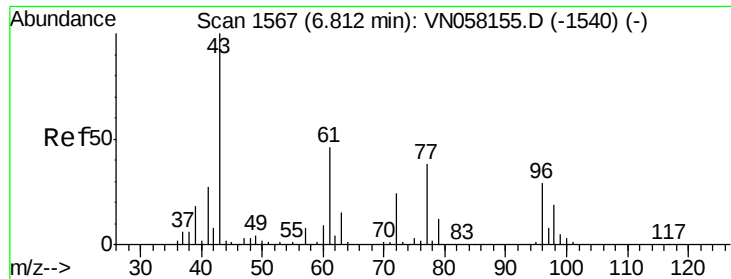
100000

50000

0

Time--> 5.70 5.80 5.90 6.00





#25

2-Butanone

Concen: 290.595 ug/l

RT: 6.82 min Scan# 1569

Delta R.T. 0.01 min

Lab File: VN058325.D

Acq: 24 Sep 2019 4:05

Instrument :

MSVOA_N

ClientSampleId :

S49-0520MS

Tot Ion: 43 Resp: 750010

Ion Ratio Lower Upper

43 100

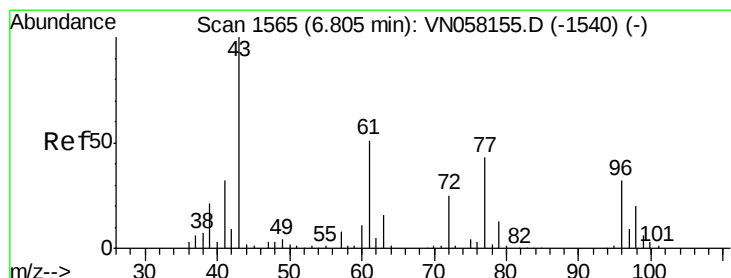
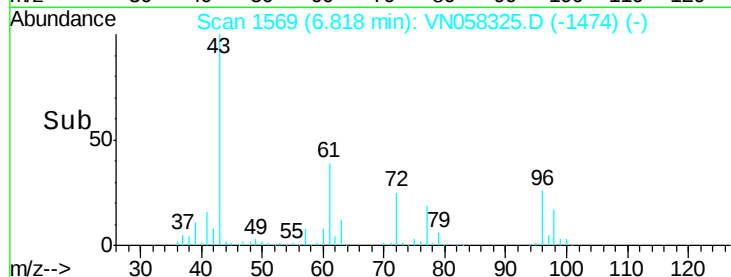
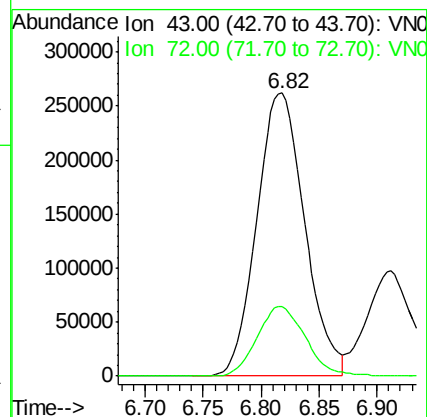
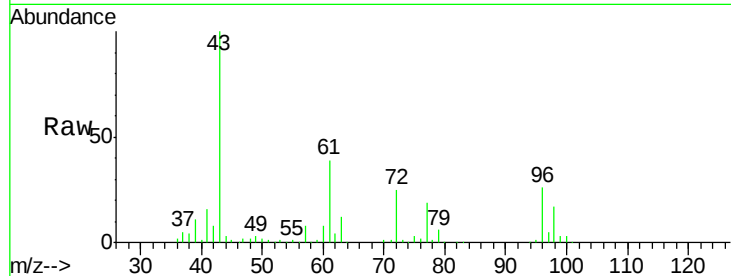
72 24.6 19.5 29.3

Manual Integrations

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MMDadoda

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#26

2,2-Dichloropropane

Concen: 31.256 ug/l

RT: 6.81 min Scan# 1565

Delta R.T. -0.00 min

Lab File: VN058325.D

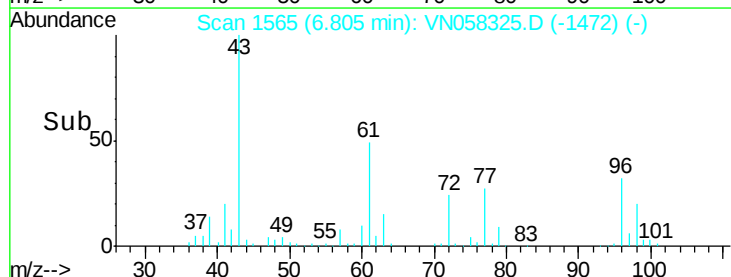
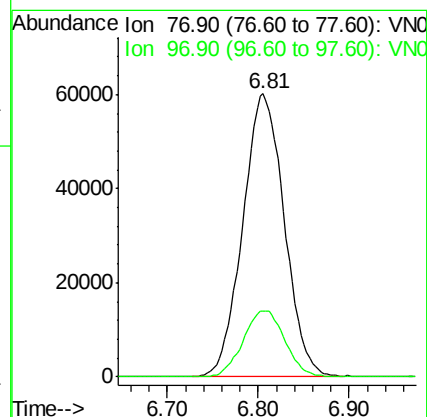
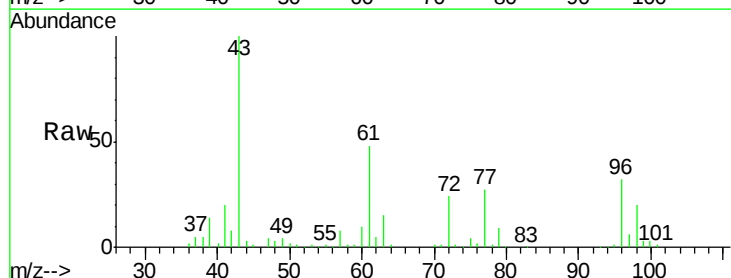
Acq: 24 Sep 2019 4:05

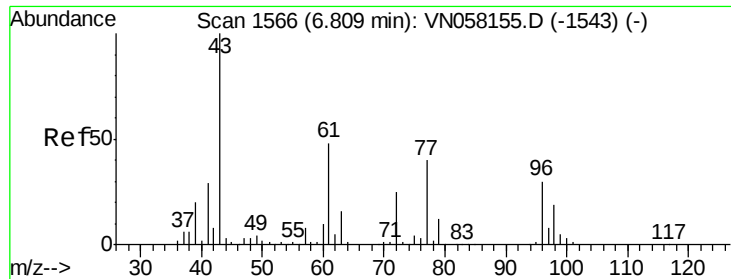
Tgt Ion: 77 Resp: 190565

Ion Ratio Lower Upper

77 100

97 23.4 10.5 31.6





#27

cis-1,2-Dichloroethene

Concen: 52.707 ug/l

RT: 6.81 min Scan# 1566

Delta R.T. -0.00 min

Lab File: VN058325.D

Acq: 24 Sep 2019 4:05

Instrument :

MSVOA_N

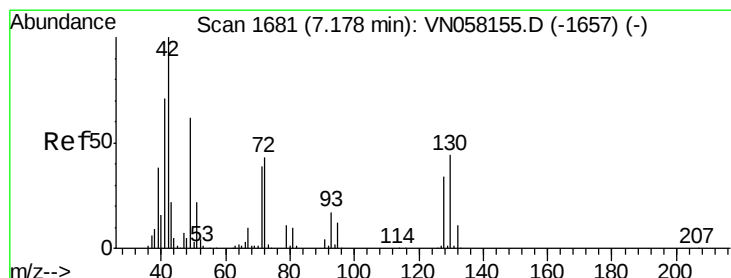
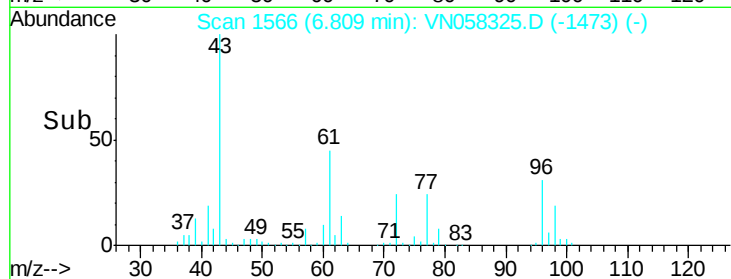
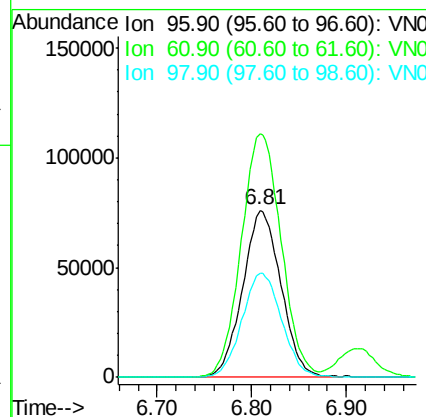
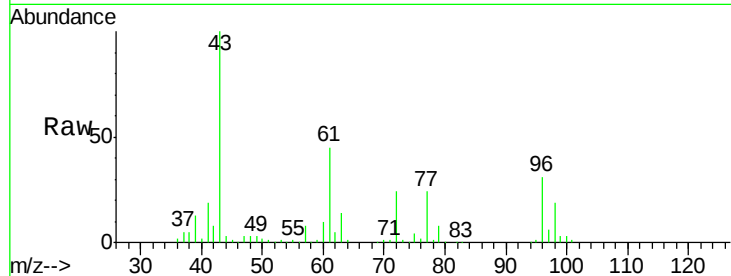
ClientSampleId :

S49-0520MS

Tot Ion:	96	Resp:	214177
Ion Ratio	Lower	Upper	
96	100		
61	152.2	0.0	319.0
98	64.8	0.0	126.6

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#28

Bromochloromethane

Concen: 61.124 ug/l

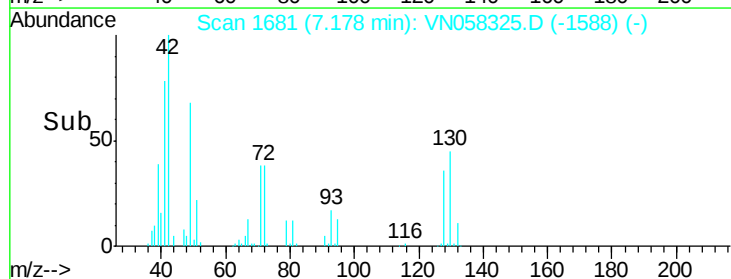
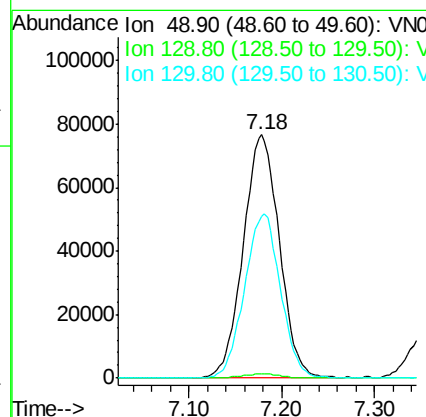
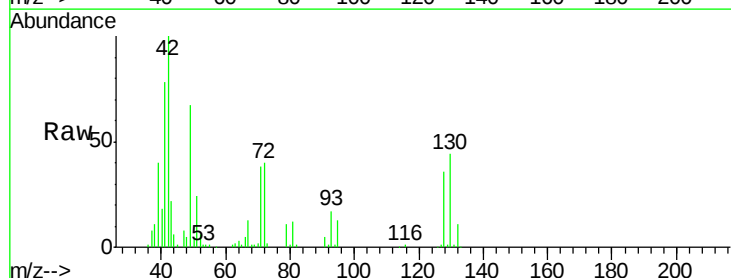
RT: 7.18 min Scan# 1681

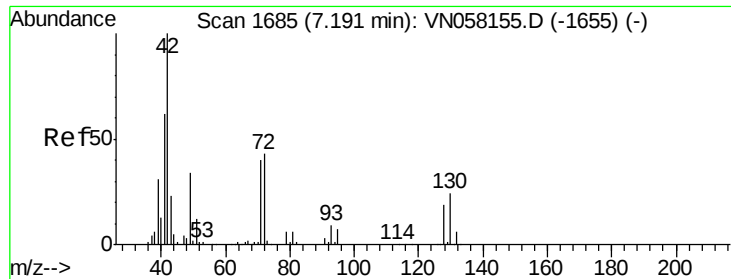
Delta R.T. -0.00 min

Lab File: VN058325.D

Acq: 24 Sep 2019 4:05

Tgt Ion:	49	Resp:	207803
Ion Ratio	Lower	Upper	
49	100		
129	1.8	0.0	1.8#
130	67.0	55.4	83.2





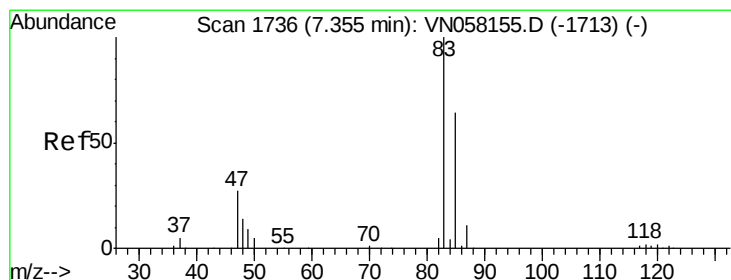
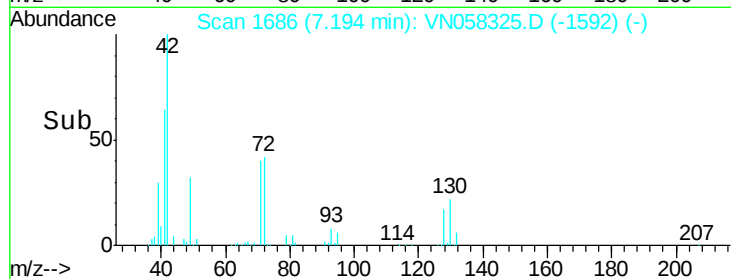
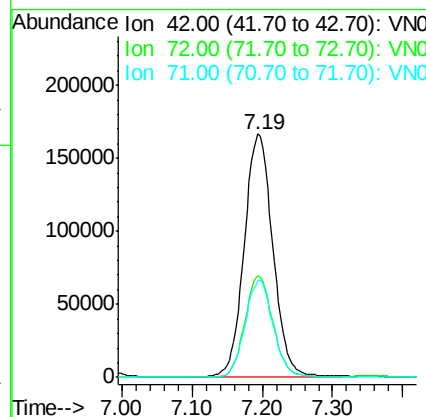
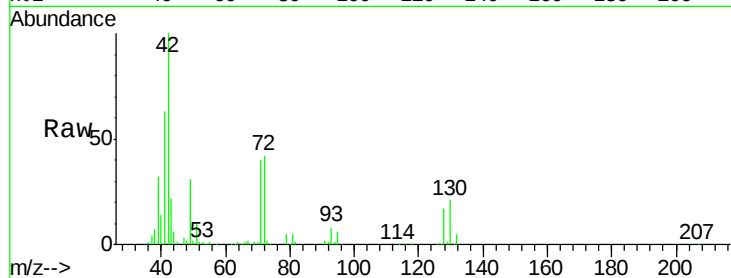
#29
Tetrahydrofuran
Concen: 296.146 ug/l
RT: 7.19 min Scan# 1686
Delta R.T. 0.00 min
Lab File: VN058325.D
Acq: 24 Sep 2019 4:05

Instrument :
MSVOA_N
ClientSampleId :
S49-0520MS

Tot Ion	Ratio	Lower	Upper
42	100		
72	41.3	33.8	50.6
71	39.3	31.4	47.0

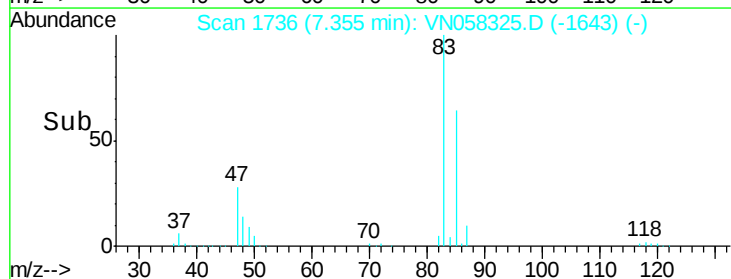
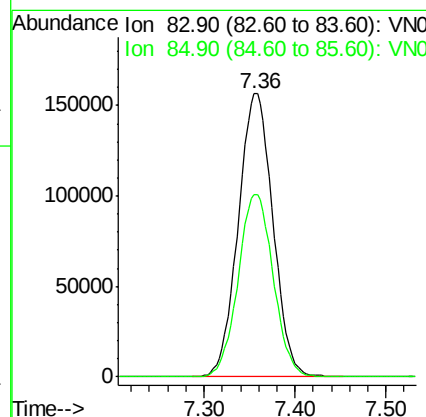
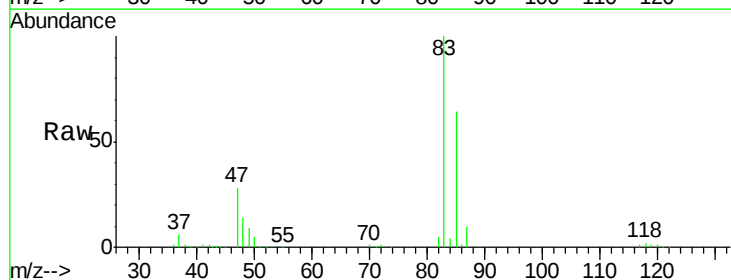
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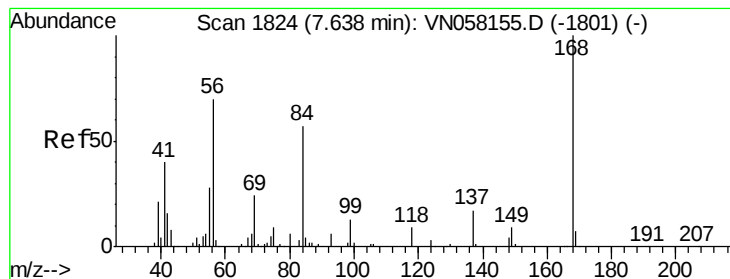
MMDadoda
9/25/2019 12:49:51 AM



#30
Chloroform
Concen: 53.601 ug/l
RT: 7.36 min Scan# 1736
Delta R.T. -0.00 min
Lab File: VN058325.D
Acq: 24 Sep 2019 4:05

Tgt Ion	Ratio	Lower	Upper
83	100		
85	64.4	51.4	77.2





#31

Cyclohexane

Concen: 46.275 ug/l

RT: 7.64 min Scan# 1824

Delta R.T. 0.00 min

Lab File: VN058325.D

Acq: 24 Sep 2019 4:05

Instrument :

MSVOA_N

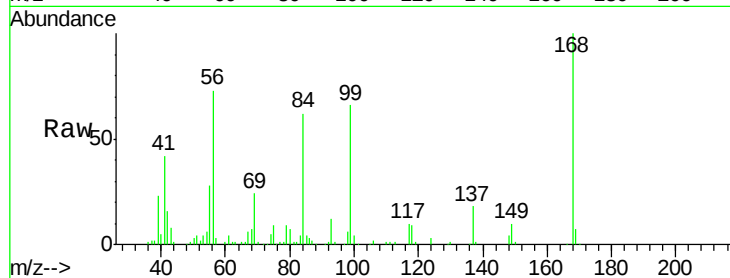
ClientSampled :

S49-0520MS

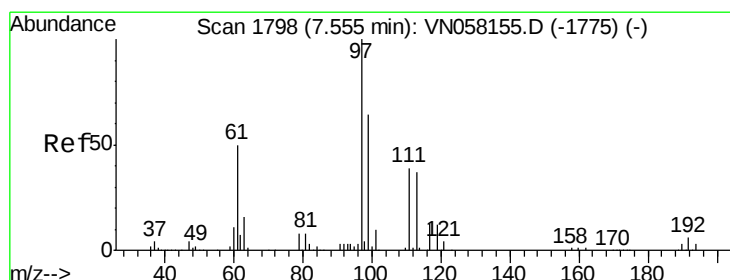
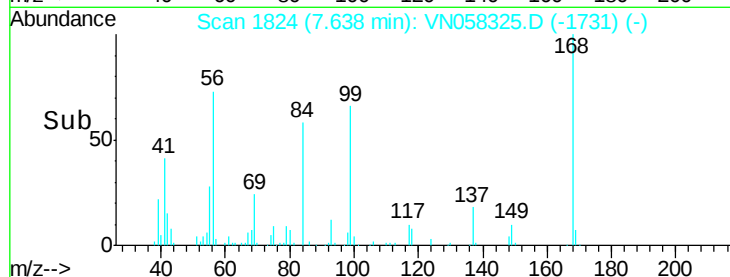
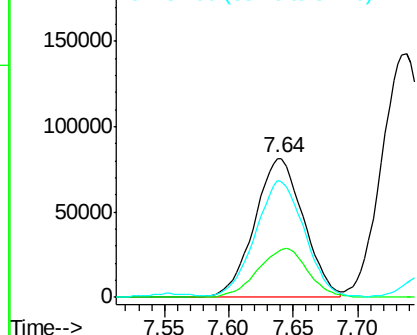
Tot Ion:	56	Resp:	215802
Ion Ratio	Lower	Upper	
56	100		
69	33.0	27.3	40.9
84	82.1	65.0	97.4

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Abundance Ion 56.00 (55.70 to 56.70): VNC
Ion 69.00 (68.70 to 69.70): VNC
Ion 84.00 (83.70 to 84.70): VNC



#32

1,1,1-Trichloroethane

Concen: 53.307 ug/l

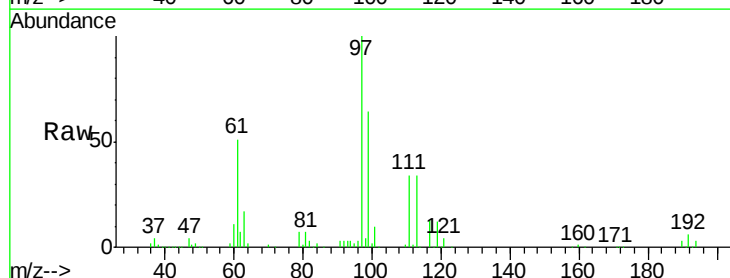
RT: 7.55 min Scan# 1798

Delta R.T. -0.00 min

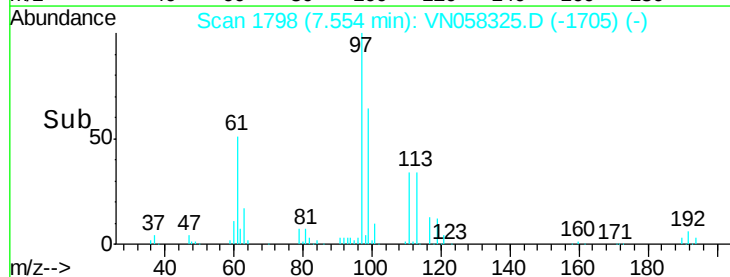
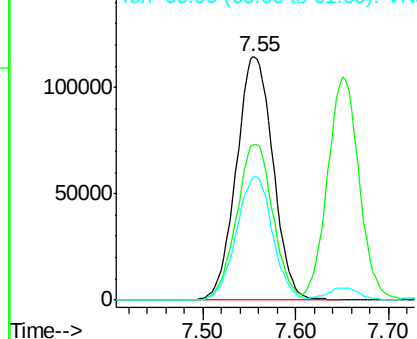
Lab File: VN058325.D

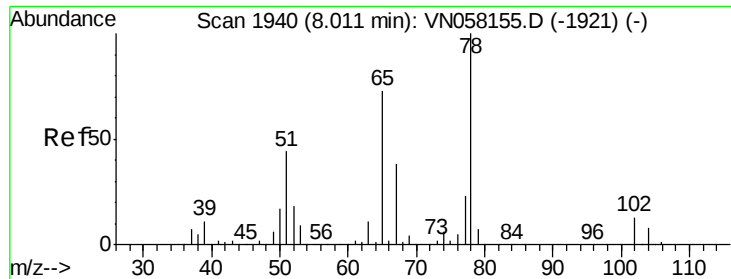
Acq: 24 Sep 2019 4:05

Tgt Ion:	97	Resp:	313925
Ion Ratio	Lower	Upper	
97	100		
99	63.4	50.9	76.3
61	49.9	39.2	58.8



Abundance Ion 96.90 (96.60 to 97.60): VNC
Ion 98.90 (98.60 to 99.60): VNC
Ion 60.90 (60.60 to 61.60): VNC





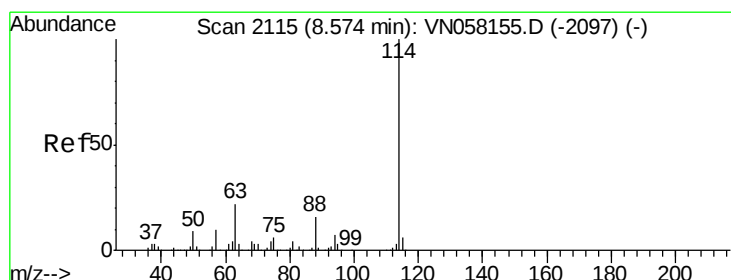
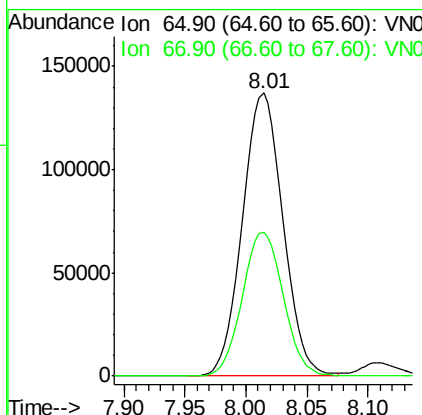
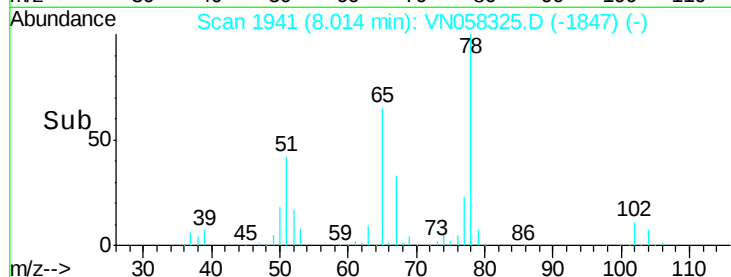
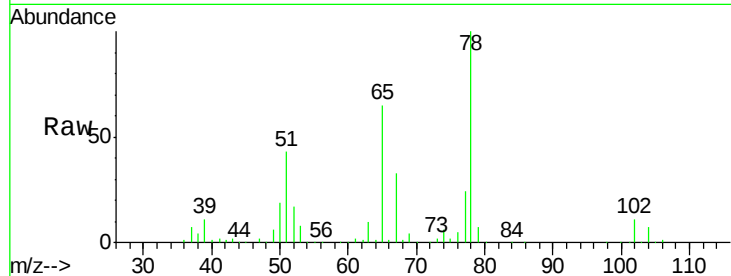
#33
 1,2-Dichloroethane-d4
 Concen: 56.493 ug/l
 RT: 8.01 min Scan# 1941
 Delta R.T. 0.00 min
 Lab File: VN058325.D
 Acq: 24 Sep 2019 4:05

Instrument :
 MSVOA_N
 ClientSampleId :
 S49-0520MS

Tot Ion	Ratio	Resp	Lower	Upper
65	100	315292		
67	51.5	0.0	103.4	

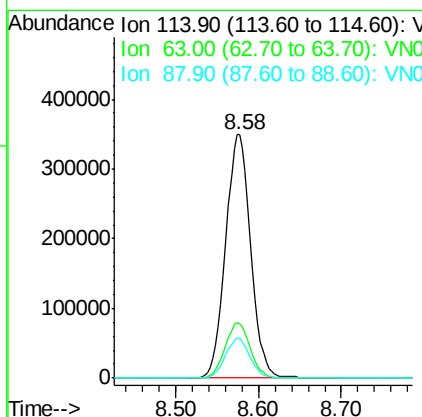
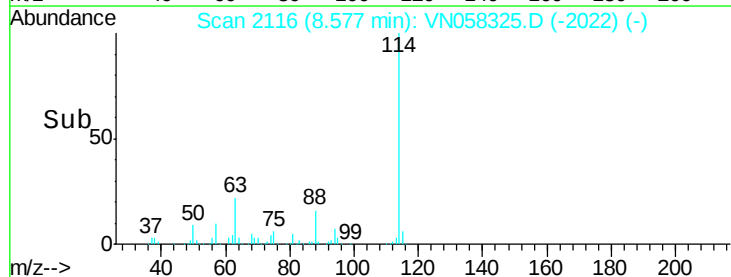
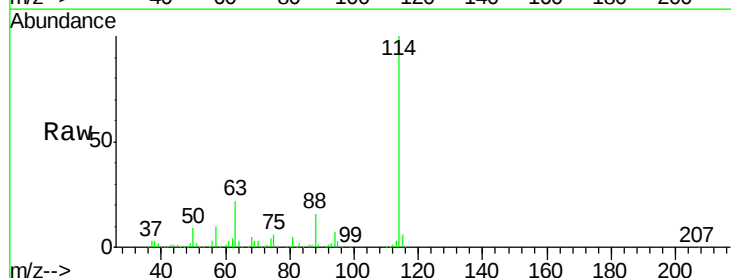
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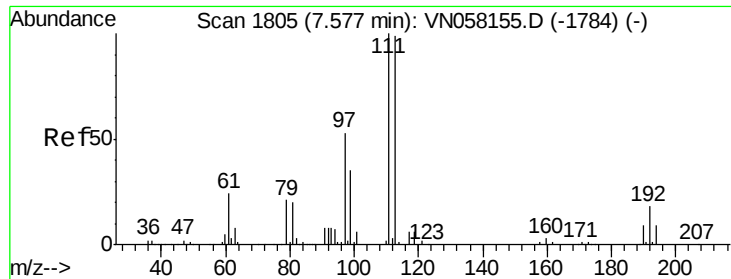
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#34
 1,4-Difluorobenzene
 Concen: 50.000 ug/l
 RT: 8.58 min Scan# 2116
 Delta R.T. 0.00 min
 Lab File: VN058325.D
 Acq: 24 Sep 2019 4:05

Tgt Ion	Ratio	Resp	Lower	Upper
114	100	732573		
63	22.5	0.0	44.2	
88	16.2	0.0	31.6	





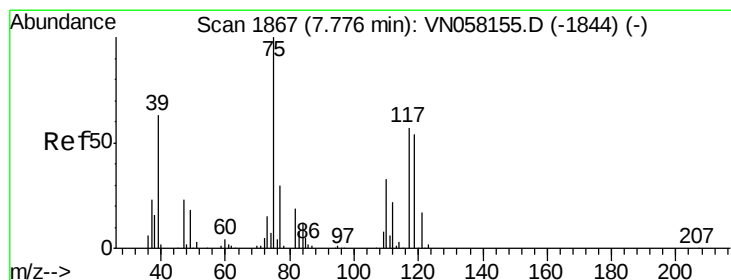
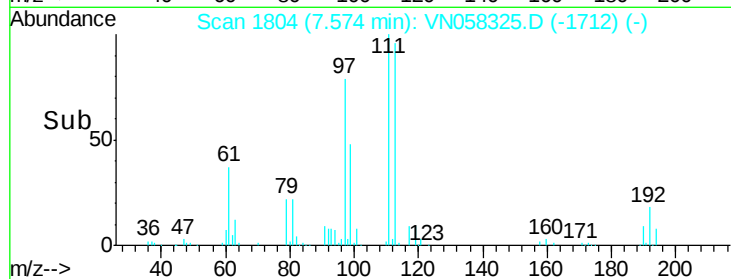
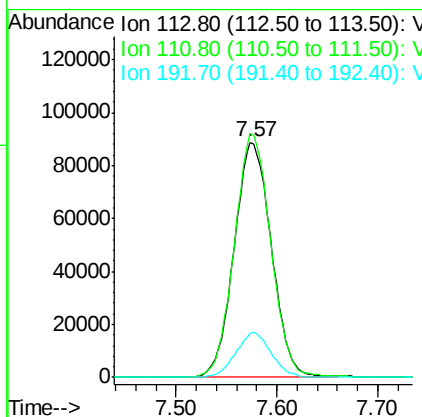
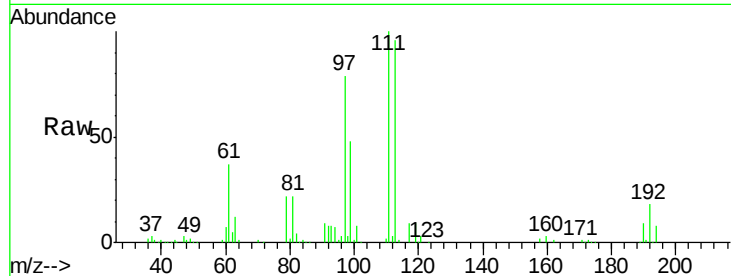
#35
 Dibromofluoromethane
 Concen: 50.983 ug/l
 RT: 7.57 min Scan# 1804
 Delta R.T. -0.00 min
 Lab File: VN058325.D
 Acq: 24 Sep 2019 4:05

Instrument :
 MSVOA_N
 ClientSampleId :
 S49-0520MS

Tot Ion	Ratio	Resp	Lower	Upper
113	100	227051		
111	101.8	81.8	122.6	
192	18.2	14.5	21.7	

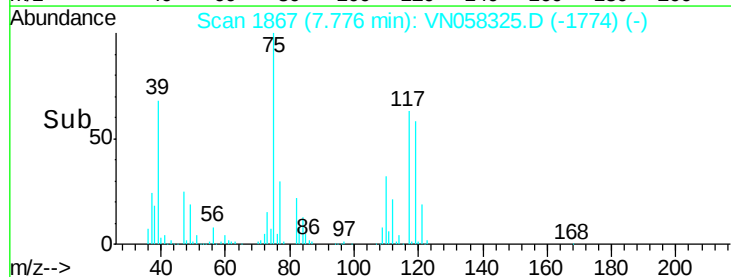
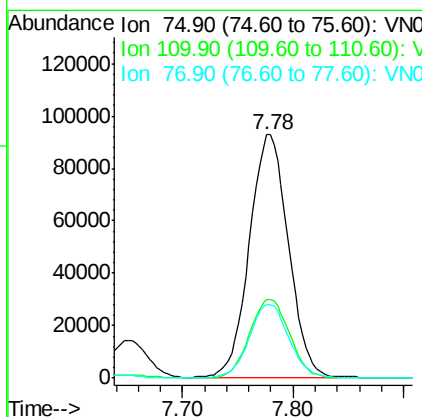
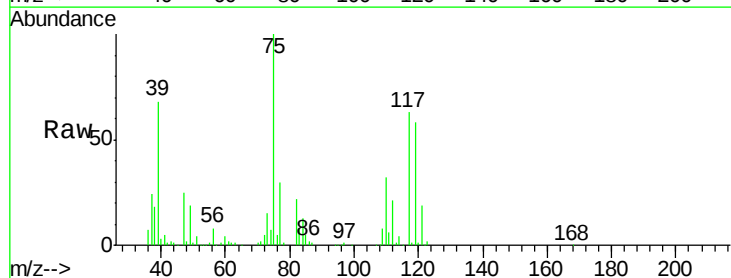
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#36
 1,1-Dichloropropene
 Concen: 42.759 ug/l
 RT: 7.78 min Scan# 1867
 Delta R.T. -0.00 min
 Lab File: VN058325.D
 Acq: 24 Sep 2019 4:05

Tgt Ion	Ratio	Resp	Lower	Upper
75	100	225894		
110	33.3	16.6	49.7	
77	31.3	24.3	36.5	





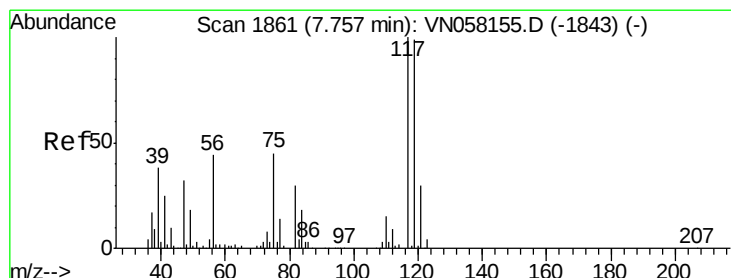
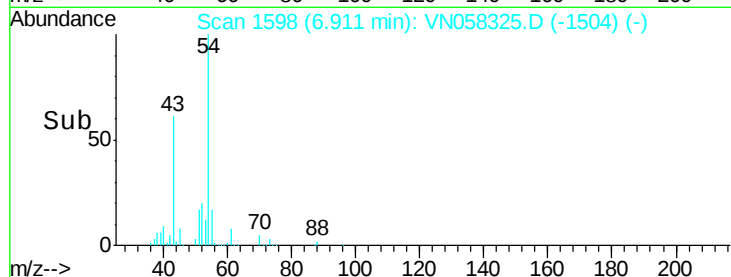
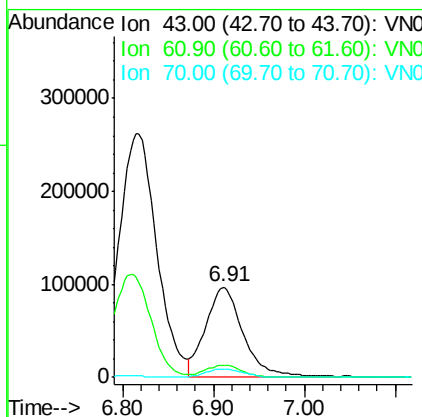
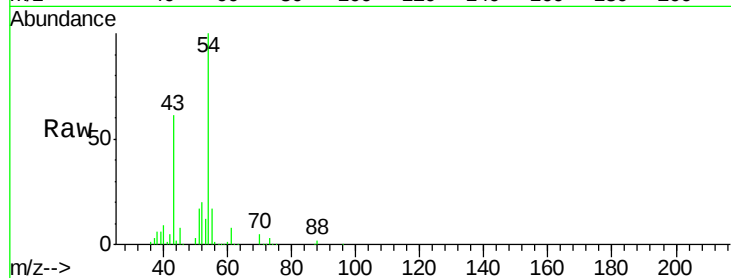
#37
Ethyl Acetate
Concen: 49.782 ug/l
RT: 6.91 min Scan# 1598
Delta R.T. 0.00 min
Lab File: VN058325.D
Acq: 24 Sep 2019 4:05

Instrument :
MSVOA_N
ClientSampleId :
S49-0520MS

Tot Ion	Ratio	Resp	Lower	Upper
43	100	272929		
61	12.9		10.7	16.1
70	9.2		7.6	11.4

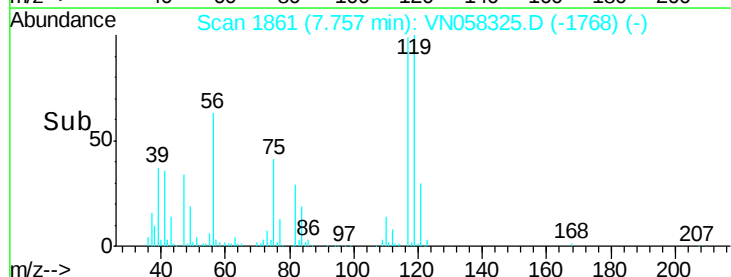
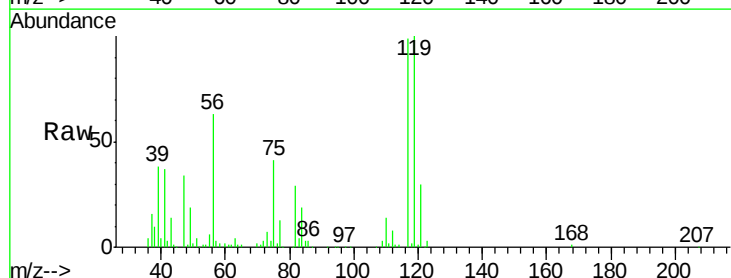
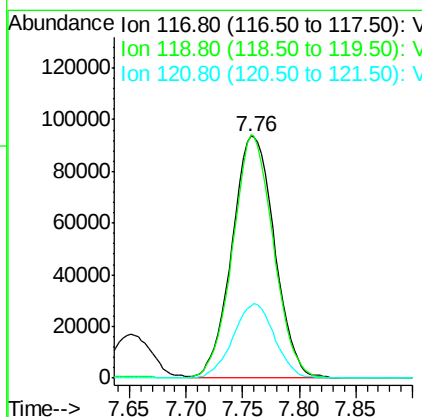
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#38
Carbon Tetrachloride
Concen: 45.977 ug/l
RT: 7.76 min Scan# 1861
Delta R.T. -0.00 min
Lab File: VN058325.D
Acq: 24 Sep 2019 4:05

Tgt Ion	Ratio	Resp	Lower	Upper
117	100	244161		
119	100.5		78.6	117.8
121	30.1		24.1	36.1





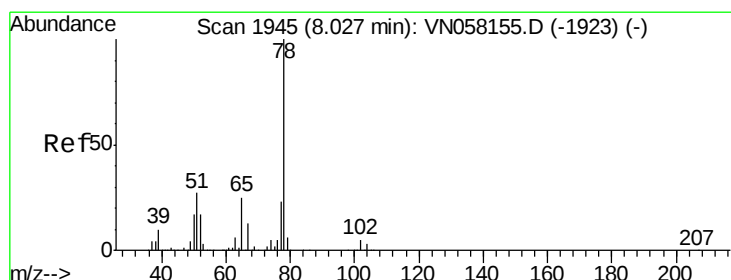
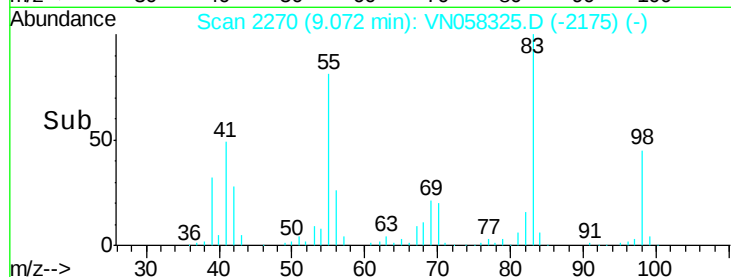
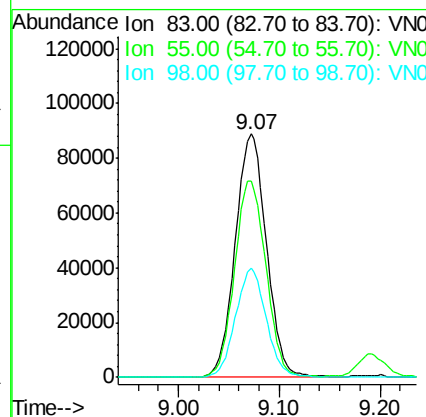
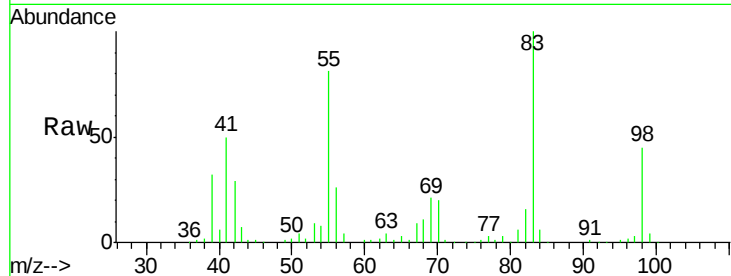
#39
Methvlcvclohexane
Concen: 37.509 ug/l
RT: 9.07 min Scan# 2270
Delta R.T. 0.00 min
Lab File: VN058325.D
Acq: 24 Sep 2019 4:05

Instrument :
MSVOA_N
ClientSampleId :
S49-0520MS

Tot Ion	Ratio	Resp Lower	Upper
83	100		
55	80.8	61.9	92.9
98	44.8	35.4	53.2

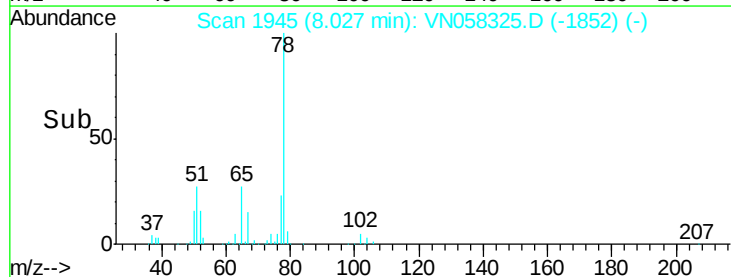
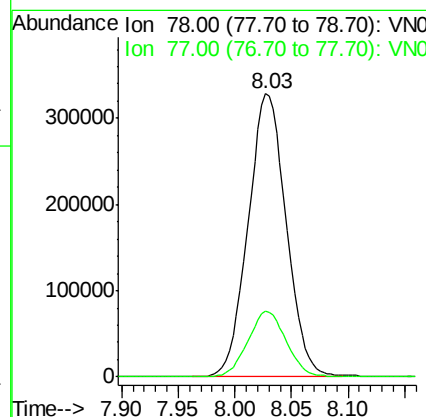
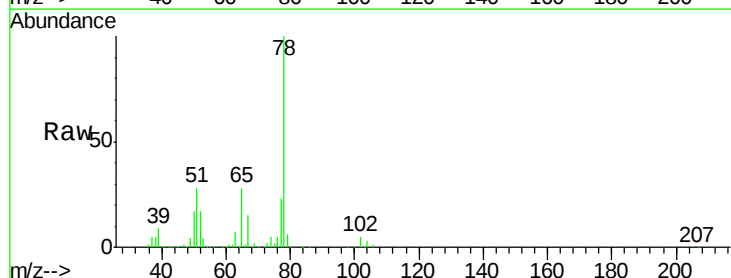
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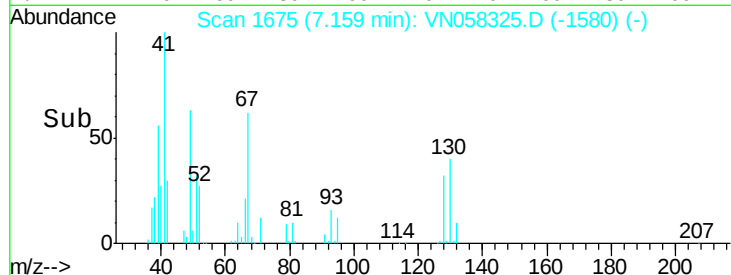
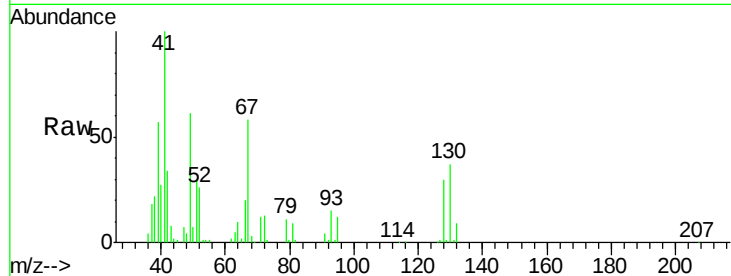
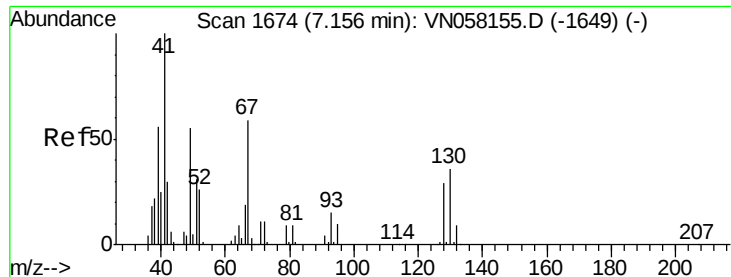
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#40
Benzene
Concen: 47.665 ug/l
RT: 8.03 min Scan# 1945
Delta R.T. -0.00 min
Lab File: VN058325.D
Acq: 24 Sep 2019 4:05

Tgt Ion	Ratio	Resp Lower	Upper
78	100		
77	23.2	18.8	28.2





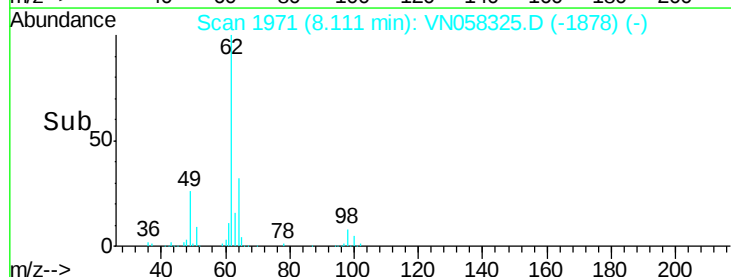
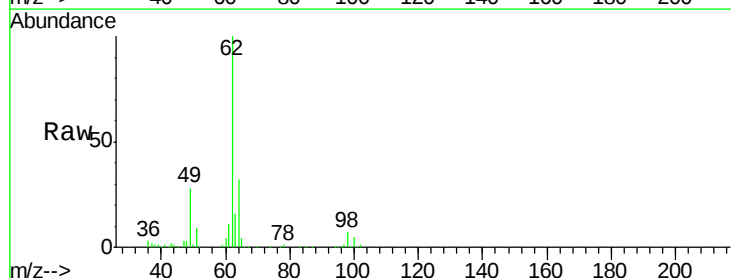
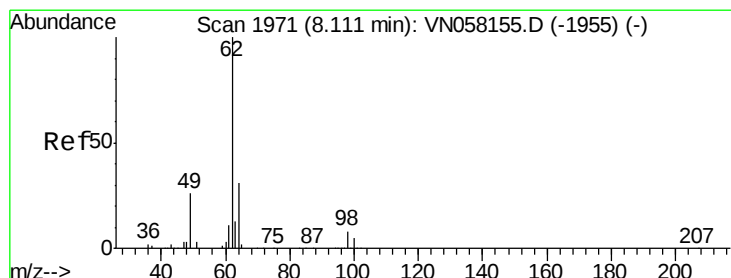
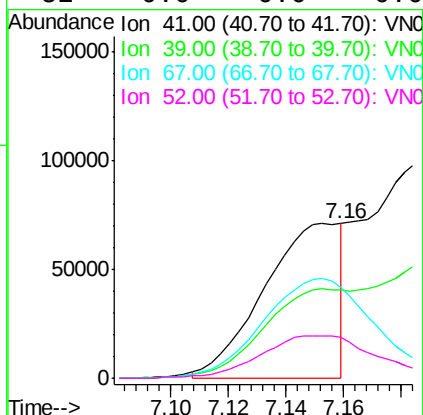
#41
Methacrylonitrile
Concen: 47.949 ug/l m
RT: 7.16 min Scan# 1675
Delta R.T. 0.00 min
Lab File: VN058325.D
Acq: 24 Sep 2019 4:05

Tot Ion	Ratio	Resp Lower	Upper
41	100		
39	0.0	0.0	0.0
67	0.0	0.0	0.0
52	0.0	0.0	0.0

Instrument :
MSVOA_N
ClientSampled :
S49-0520MS

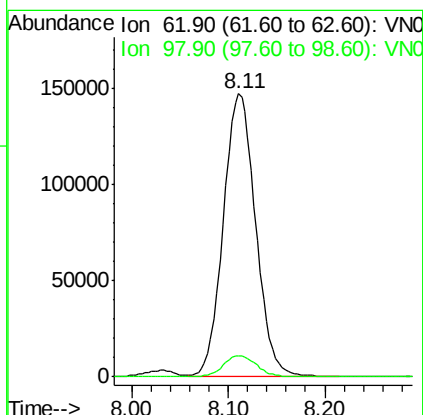
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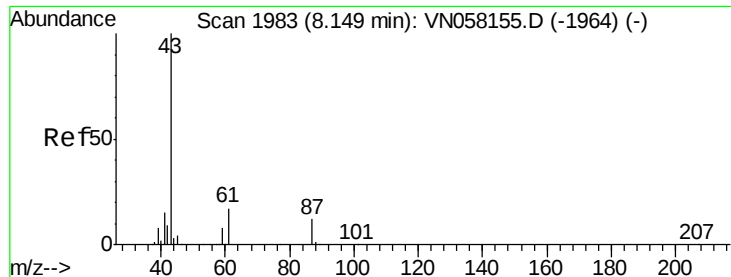
MMDadoda
9/25/2019 12:49:51 AM



#42
1,2-Dichloroethane
Concen: 50.464 ug/l
RT: 8.11 min Scan# 1971
Delta R.T. -0.00 min
Lab File: VN058325.D
Acq: 24 Sep 2019 4:05

Tgt Ion	Ratio	Resp Lower	Upper
62	100		
98	7.7	0.0	15.6





#43

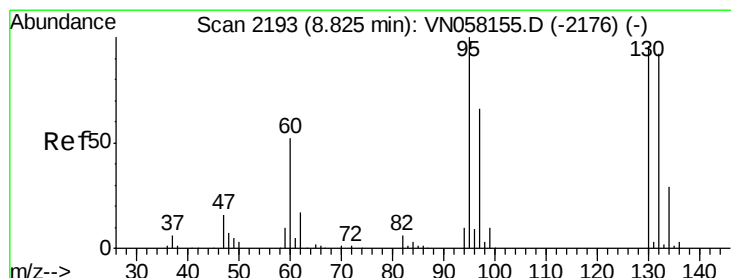
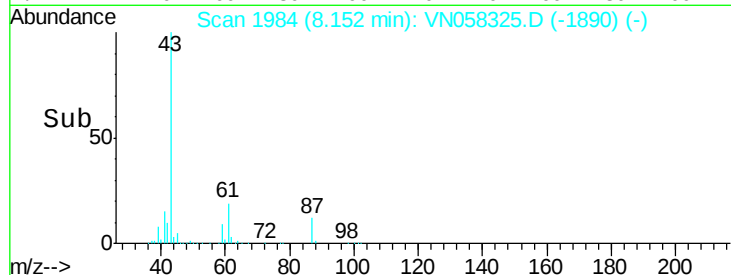
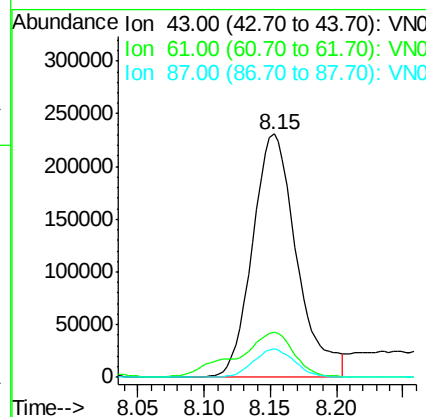
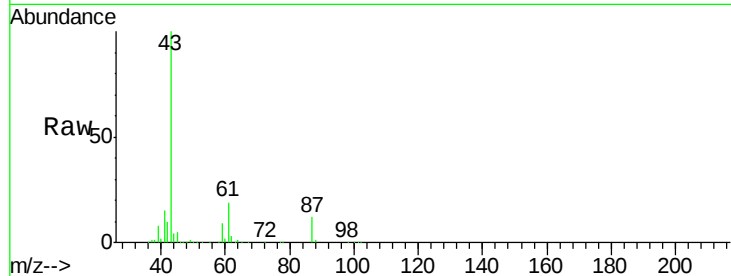
Isopropyl Acetate
 Concen: 52.147 ug/l
 RT: 8.15 min Scan# 1984
 Delta R.T. 0.00 min
 Lab File: VN058325.D
 Acq: 24 Sep 2019 4:05

Instrument :
 MSVOA_N
 ClientSampleId :
 S49-0520MS

Tot Ion	Ratio	Lower	Upper
43	100		
61	23.6	19.7	29.5
87	11.1	9.4	14.2

Manual Integrations
 APPROVED

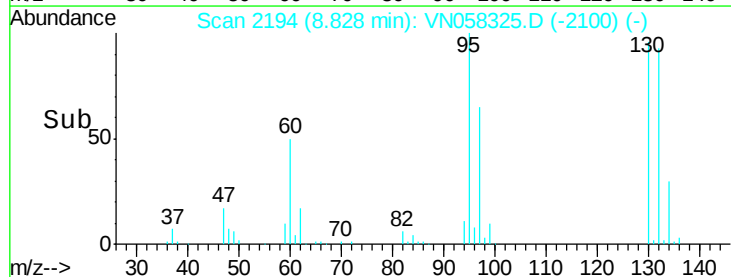
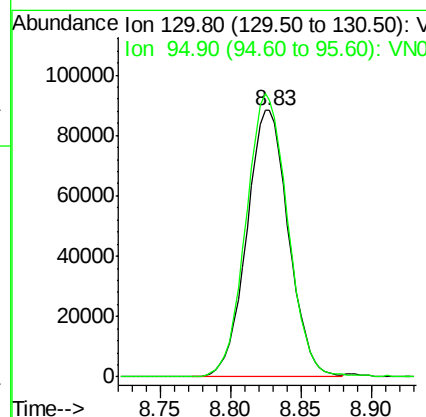
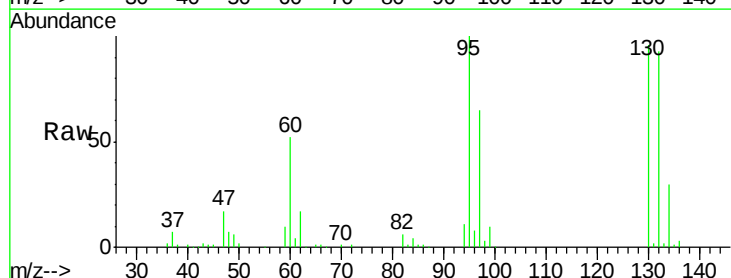
MMDadoda
 9/25/2019 12:49:51 AM

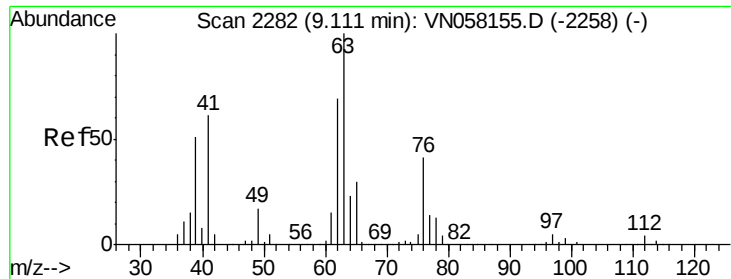


#44

Trichloroethene
 Concen: 46.377 ug/l
 RT: 8.83 min Scan# 2194
 Delta R.T. 0.00 min
 Lab File: VN058325.D
 Acq: 24 Sep 2019 4:05

Tgt Ion	Ratio	Lower	Upper
130	100		
95	104.1	0.0	207.8





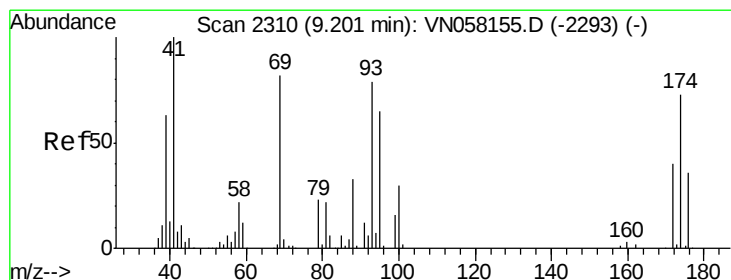
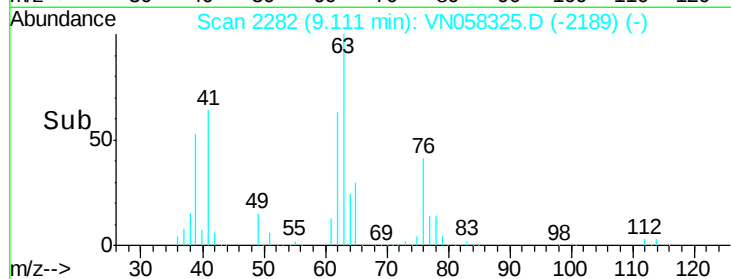
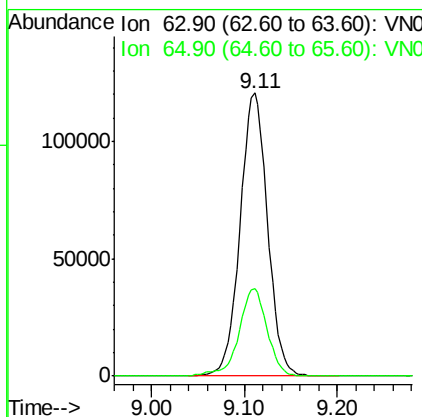
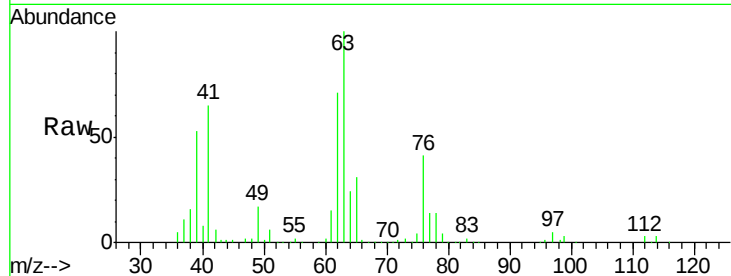
#45
 1,2-Dichloropropane
 Concen: 51.451 ug/l
 RT: 9.11 min Scan# 2282
 Delta R.T. -0.00 min
 Lab File: VN058325.D
 Acq: 24 Sep 2019 4:05

Instrument :
 MSVOA_N
 ClientSampled :
 S49-0520MS

Tot Ion	Ratio	Resp	Lower	Upper
63	100	247934		
65	30.9		23.8	35.6

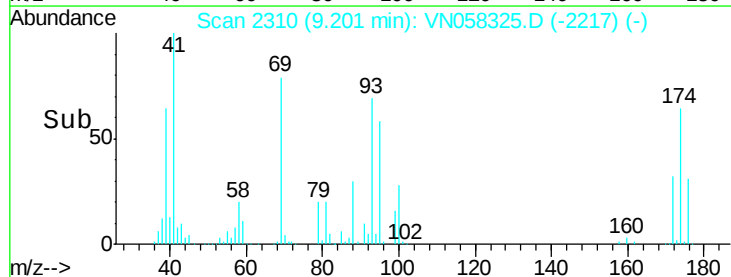
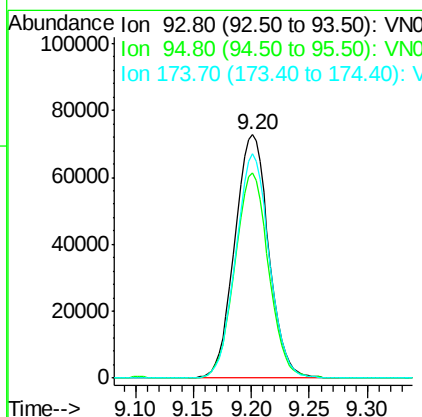
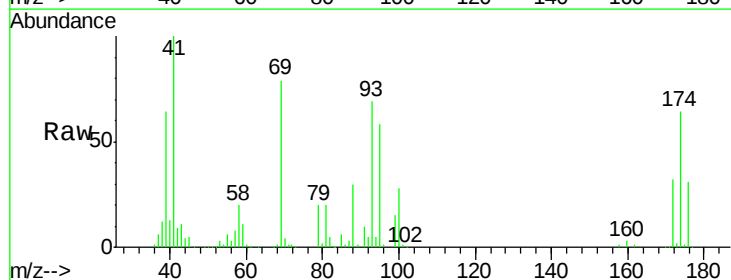
Manual Integrations
 APPROVED

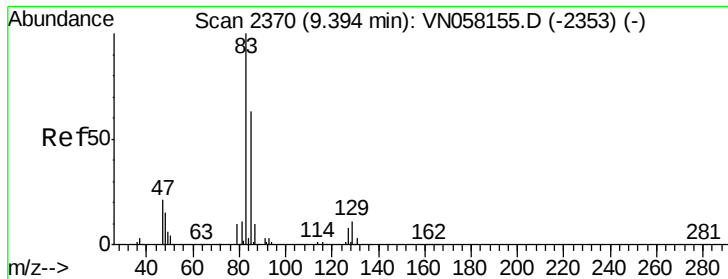
MMDadoda
 9/25/2019 12:49:51 AM



#46
 Dibromomethane
 Concen: 50.656 ug/l
 RT: 9.20 min Scan# 2310
 Delta R.T. -0.00 min
 Lab File: VN058325.D
 Acq: 24 Sep 2019 4:05

Tgt Ion	Ratio	Resp	Lower	Upper
93	100	148410		
95	83.6		66.8	100.2
174	90.7		73.8	110.8





#47

Bromodichloromethane

Concen: 53.126 ug/l

RT: 9.40 min Scan# 2371

Delta R.T. 0.00 min

Lab File: VN058325.D

Acq: 24 Sep 2019 4:05

Instrument :

MSVOA_N

ClientSampleId :

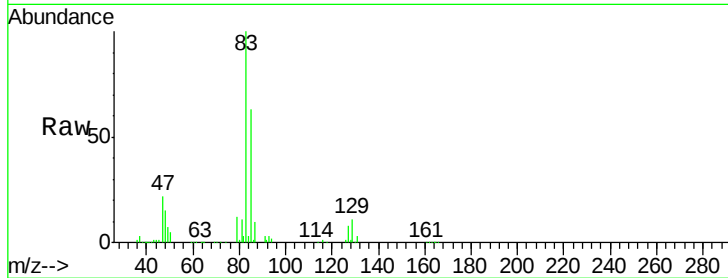
S49-0520MS

Tot Ion: 83 Resp: 326075
Ion Ratio Lower Upper

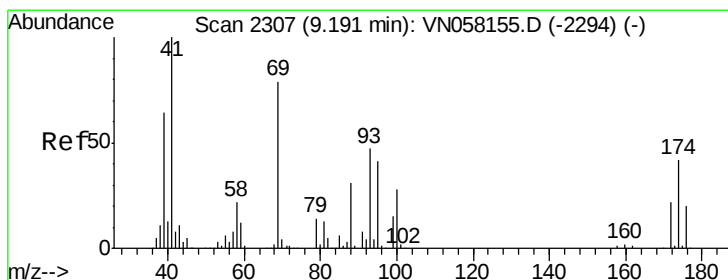
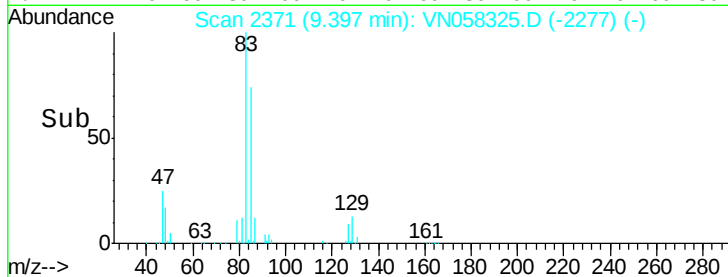
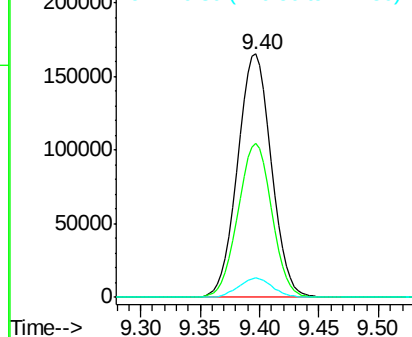
83	100		
85	63.1	50.1	75.1
127	7.8	6.4	9.6

Manual Integrations
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Abundance Ion 82.90 (82.60 to 83.60): VNO
Ion 84.90 (84.60 to 85.60): VNO
Ion 126.80 (126.50 to 127.50): V



#48

Methyl methacrylate

Concen: 54.963 ug/l

RT: 9.19 min Scan# 2307

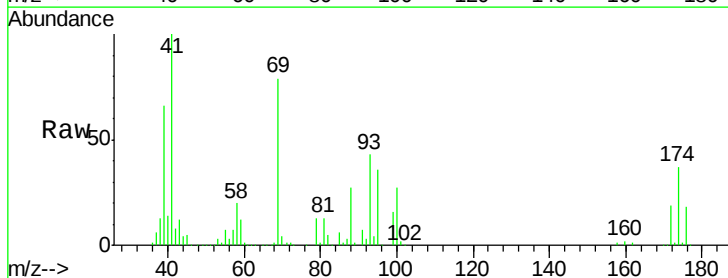
Delta R.T. -0.00 min

Lab File: VN058325.D

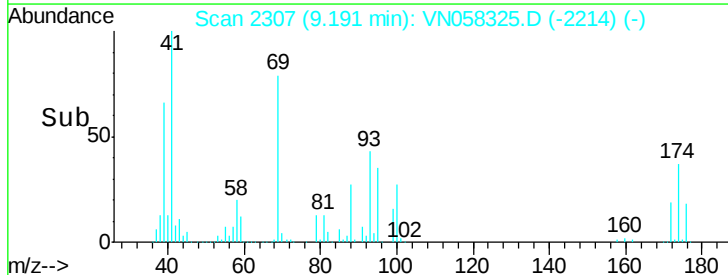
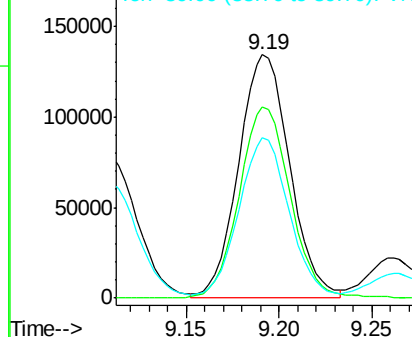
Acq: 24 Sep 2019 4:05

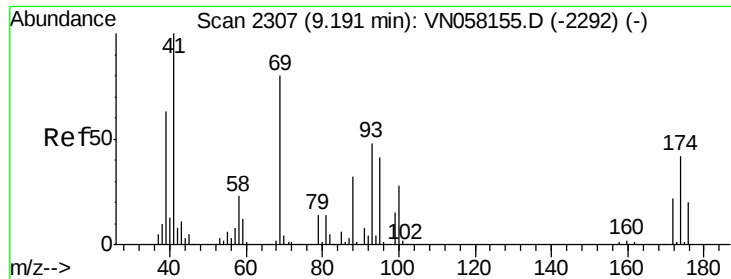
Tgt Ion: 41 Resp: 255527
Ion Ratio Lower Upper

41	100		
69	78.9	62.5	93.7
39	65.1	52.3	78.5



Abundance Ion 41.00 (40.70 to 41.70): VNO
Ion 69.00 (68.70 to 69.70): VNO
Ion 39.00 (38.70 to 39.70): VNO





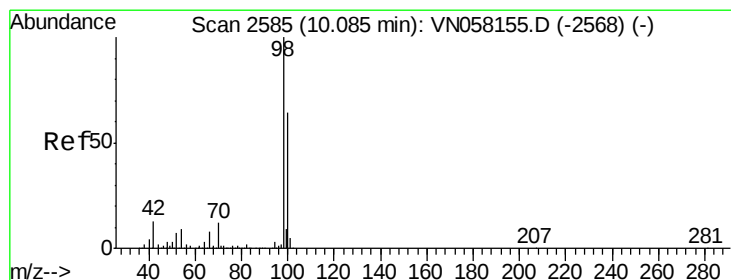
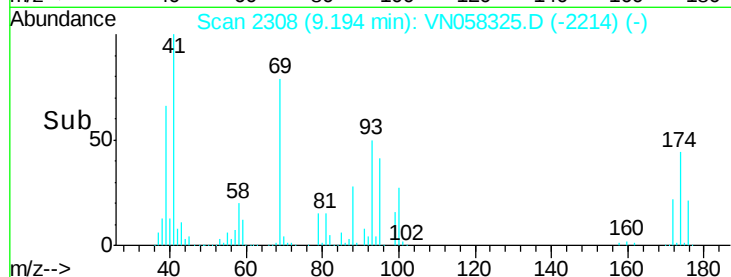
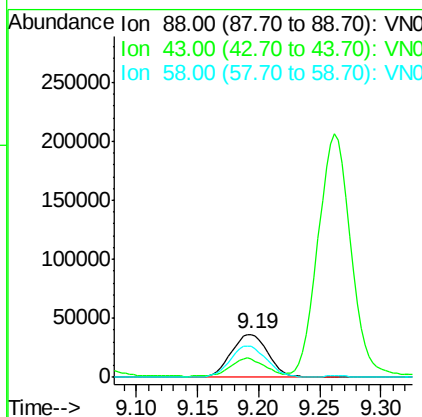
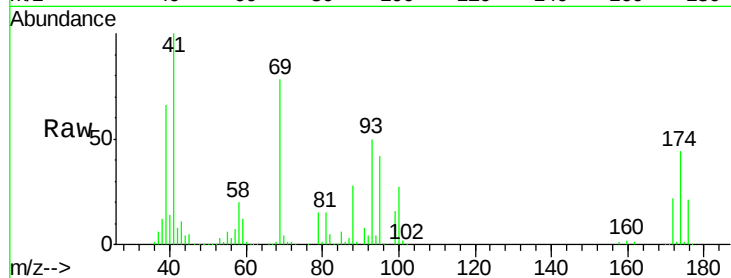
#49
1,4-Dioxane
Concen: 1011.759 ug/l
RT: 9.19 min Scan# 2308
Delta R.T. 0.00 min
Lab File: VN058325.D
Acq: 24 Sep 2019 4:05

Instrument :
MSVOA_N
ClientSampleId :
S49-0520MS

Tot Ion	Ratio	Lower	Upper
88	100		
43	38.5	27.8	41.8
58	71.9	55.0	82.4

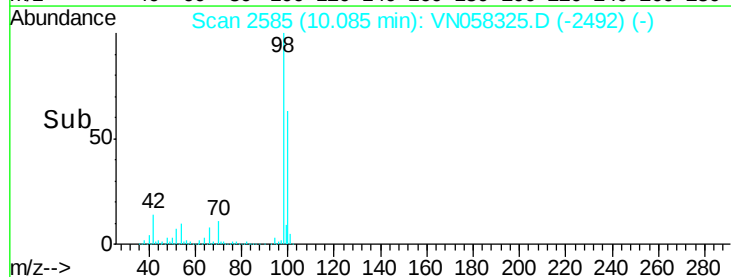
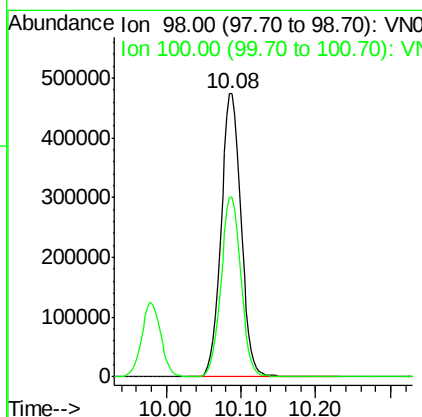
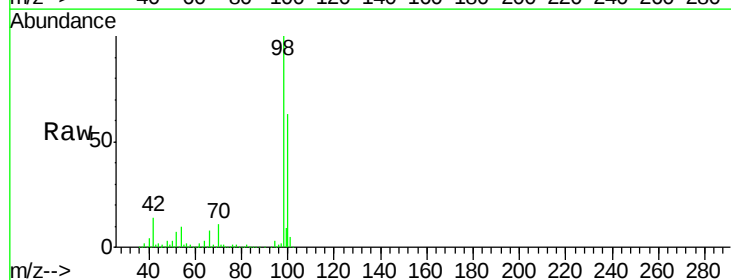
Manual Integrations
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#50
Toluene-d8
Concen: 50.386 ug/l
RT: 10.08 min Scan# 2585
Delta R.T. -0.00 min
Lab File: VN058325.D
Acq: 24 Sep 2019 4:05

Tgt Ion	Ratio	Lower	Upper
98	100		
100	62.9	51.1	76.7





#51

4-Methyl-2-Pentanone

Concen: 314.665 ug/l

RT: 9.98 min Scan# 2552

Delta R.T. -0.00 min

Lab File: VN058325.D

Acq: 24 Sep 2019 4:05

Instrument :

MSVOA_N

ClientSampled :

S49-0520MS

Tot Ion: 43 Resp: 1711341

Ion Ratio Lower Upper

43 100

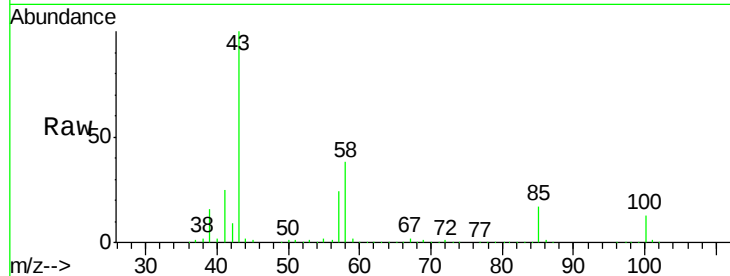
58 37.3 30.2 45.4

Manual Integrations

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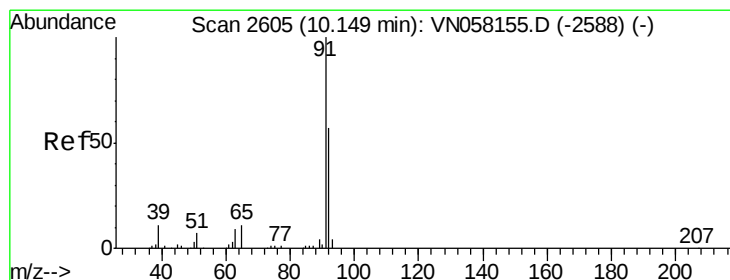
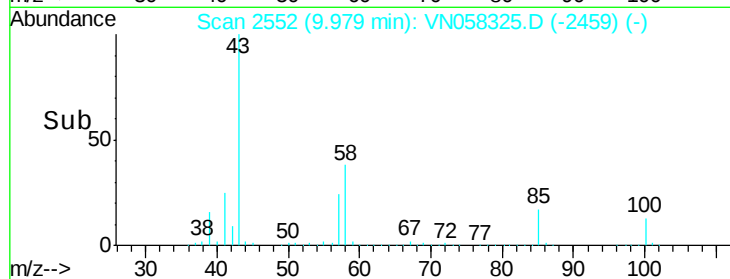
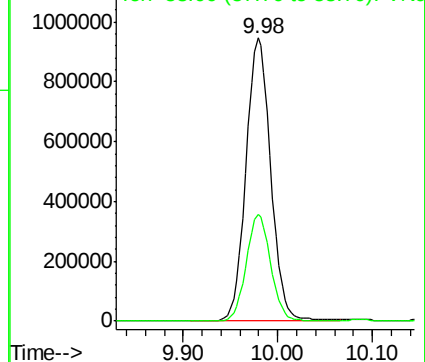
MMDadoda

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Abundance Ion 43.00 (42.70 to 43.70): VN0

Ion 58.00 (57.70 to 58.70): VN0



#52

Toluene

Concen: 47.957 ug/l

RT: 10.15 min Scan# 2606

Delta R.T. 0.00 min

Lab File: VN058325.D

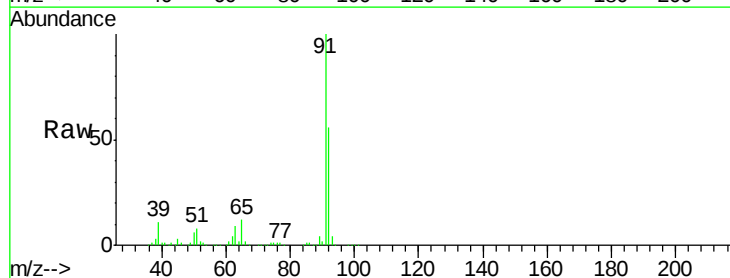
Acq: 24 Sep 2019 4:05

Tgt Ion: 92 Resp: 484970

Ion Ratio Lower Upper

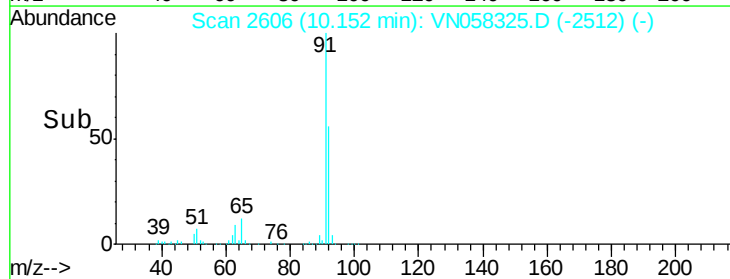
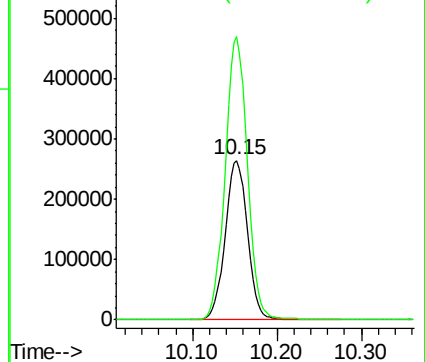
92 100

91 176.8 140.2 210.2



Abundance Ion 92.00 (91.70 to 92.70): VN0

Ion 91.00 (90.70 to 91.70): VN0





#53

t-1,3-Dichloropropene

Concen: 50.239 ug/l

RT: 10.38 min Scan# 2677

Delta R.T. 0.00 min

Lab File: VN058325.D

Acq: 24 Sep 2019 4:05

Instrument :

MSVOA_N

ClientSampled :

S49-0520MS

Tot Ion: 75 Resp: 315863

Ion Ratio Lower Upper

75 100

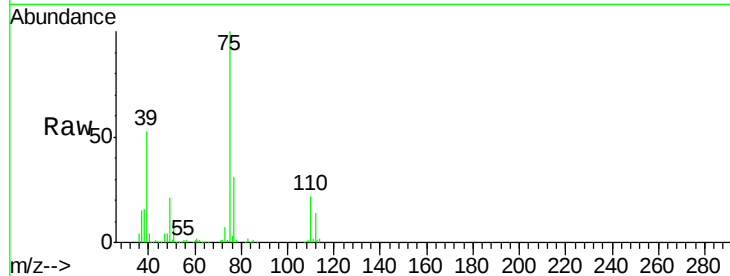
77 30.8 24.9 37.3

Manual Integrations

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Abundance Ion 74.90 (74.60 to 75.60): VN0

Ion 76.90 (76.60 to 77.60): VN0

10.38

200000

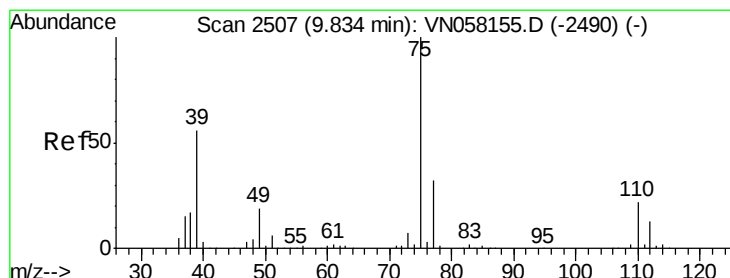
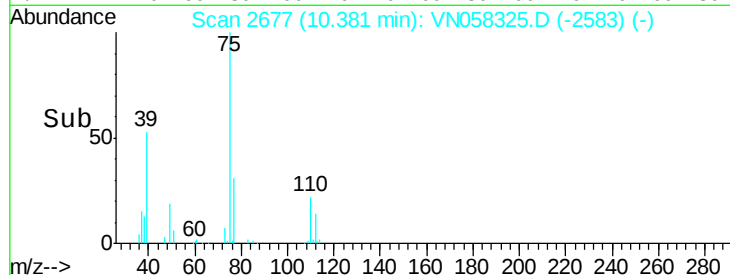
150000

100000

50000

0

Time-->



#54

cis-1,3-Dichloropropene

Concen: 47.959 ug/l

RT: 9.83 min Scan# 2507

Delta R.T. -0.00 min

Lab File: VN058325.D

Acq: 24 Sep 2019 4:05

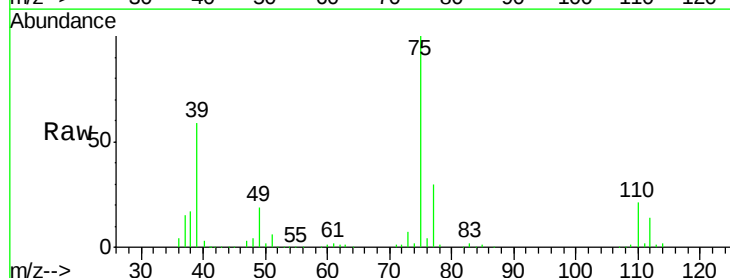
Tgt Ion: 75 Resp: 332904

Ion Ratio Lower Upper

75 100

77 30.4 25.4 38.0

39 58.5 45.0 67.6



Abundance Ion 74.90 (74.60 to 75.60): VN0

Ion 76.90 (76.60 to 77.60): VN0

Ion 39.00 (38.70 to 39.70): VN0

250000

200000

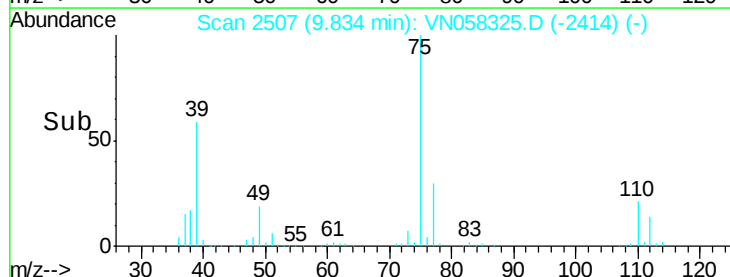
150000

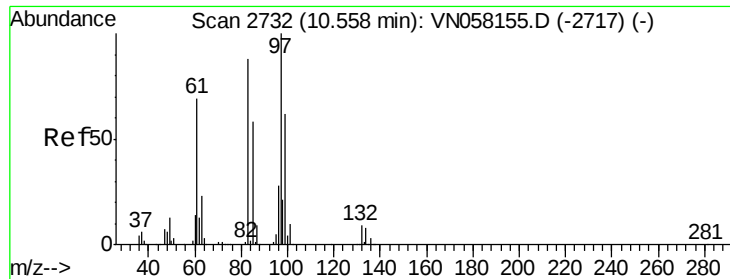
100000

50000

0

Time-->





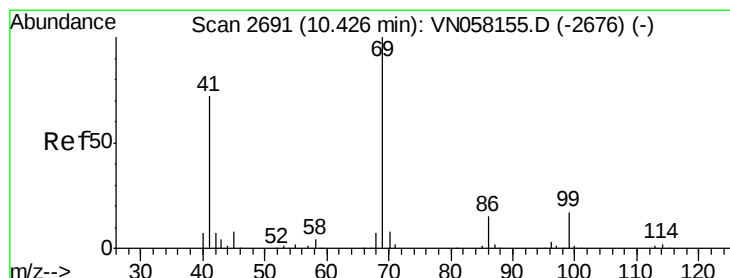
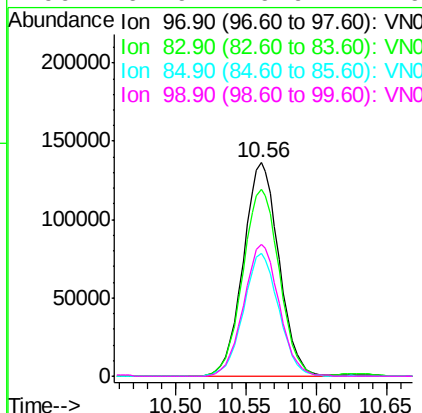
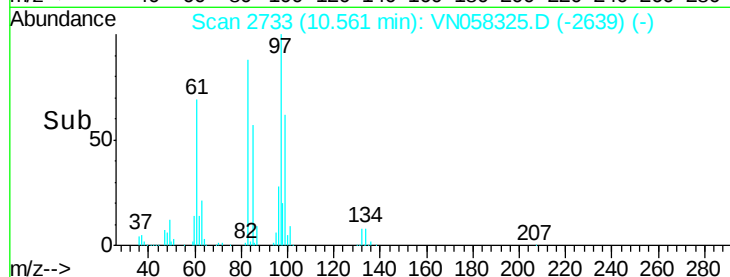
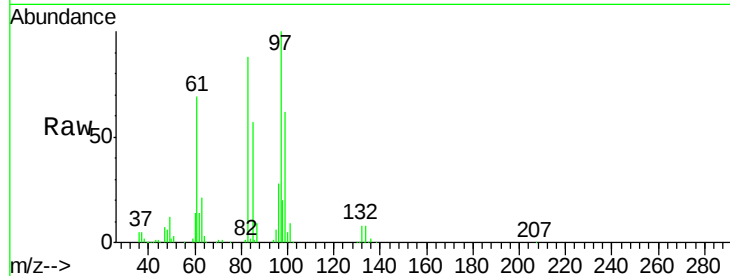
#55
 1,1,2-Trichloroethane
 Concen: 53.904 ug/l
 RT: 10.56 min Scan# 2733
 Delta R.T. 0.00 min
 Lab File: VN058325.D
 Acq: 24 Sep 2019 4:05

Instrument :
 MSVOA_N
 ClientSampled :
 S49-0520MS

Tot Ion:	97	Resp:	241905
Ion	Ratio	Lower	Upper
97	100		
83	87.6	70.4	105.6
85	57.3	46.8	70.2
99	61.9	49.9	74.9

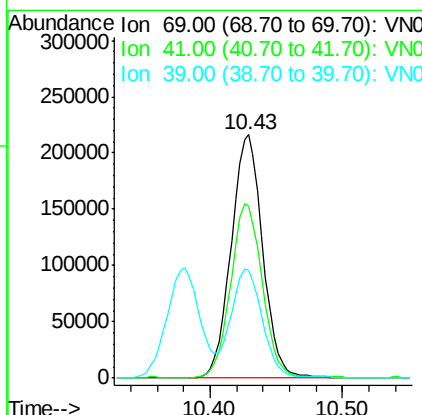
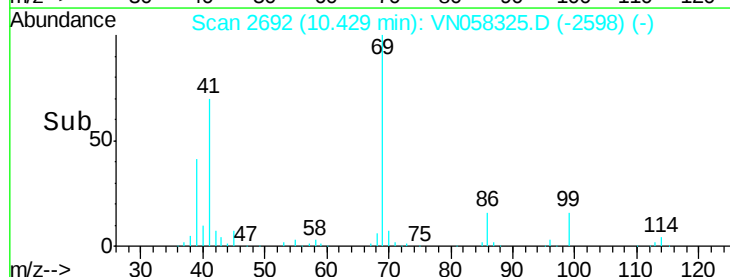
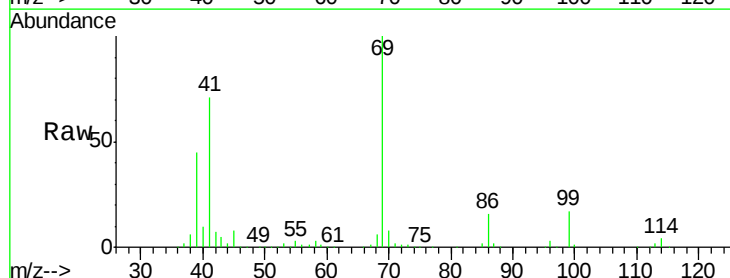
Manual Integrations
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#56
 Ethyl methacrylate
 Concen: 55.029 ug/l
 RT: 10.43 min Scan# 2692
 Delta R.T. 0.00 min
 Lab File: VN058325.D
 Acq: 24 Sep 2019 4:05

Tgt Ion:	69	Resp:	356309
Ion	Ratio	Lower	Upper
69	100		
41	71.3	57.5	86.3
39	45.1	36.1	54.1





#57

1,3-Dichloropropane

Concen: 51.871 ug/l

RT: 10.71 min Scan# 2778

Delta R.T. -0.00 min

Lab File: VN058325.D

Acq: 24 Sep 2019 4:05

Instrument :

MSVOA_N

ClientSampled :

S49-0520MS

Tot Ion: 76 Resp: 400176

Ion Ratio Lower Upper

76 100

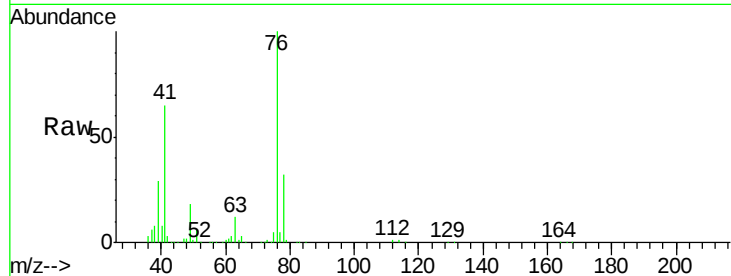
78 32.0 25.4 38.0

Manual Integrations

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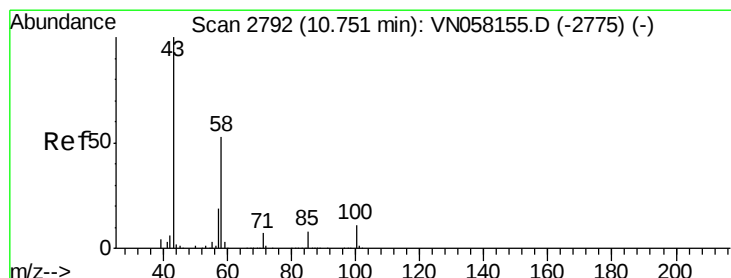
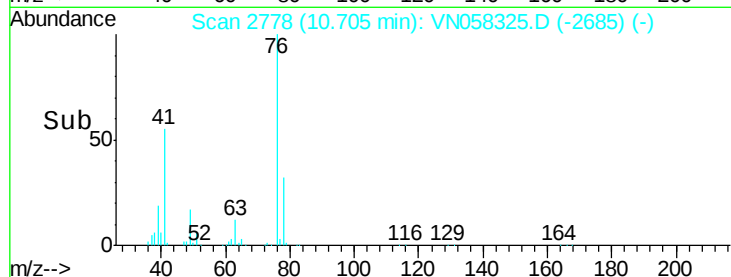
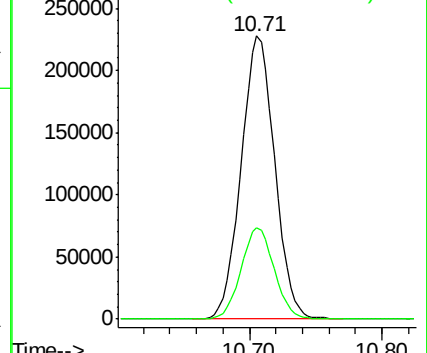
MMDadoda

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Abundance Ion 75.90 (75.60 to 76.60): VN0

Ion 77.90 (77.60 to 78.60): VN0



#59

2-Hexanone

Concen: 305.053 ug/l

RT: 10.75 min Scan# 2792

Delta R.T. -0.00 min

Lab File: VN058325.D

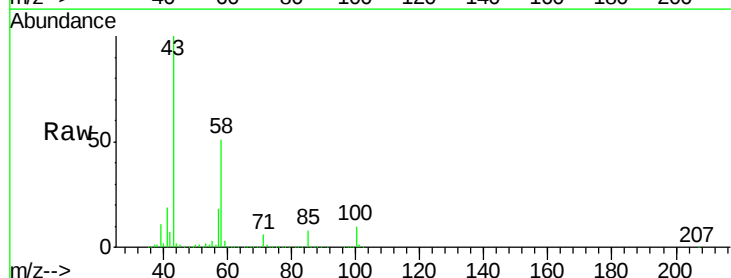
Acq: 24 Sep 2019 4:05

Tgt Ion: 43 Resp: 1232173

Ion Ratio Lower Upper

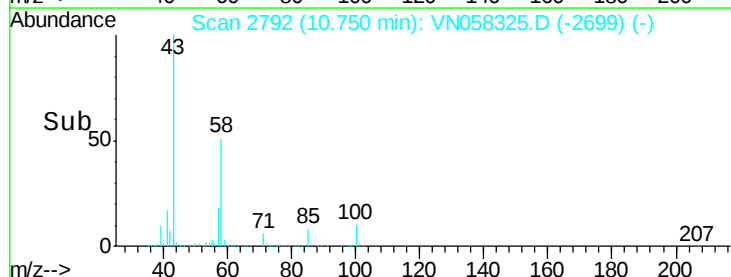
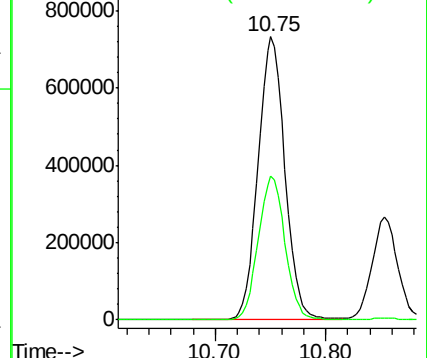
43 100

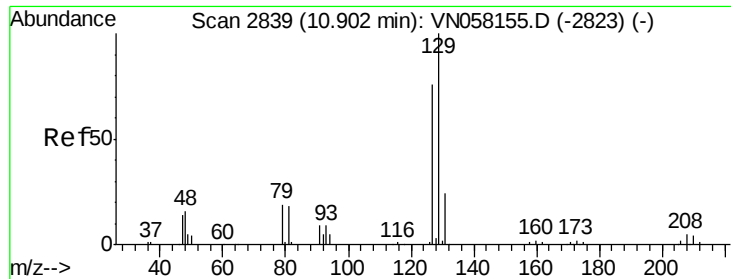
58 51.0 26.0 78.0



Abundance Ion 43.00 (42.70 to 43.70): VN0

Ion 58.00 (57.70 to 58.70): VN0





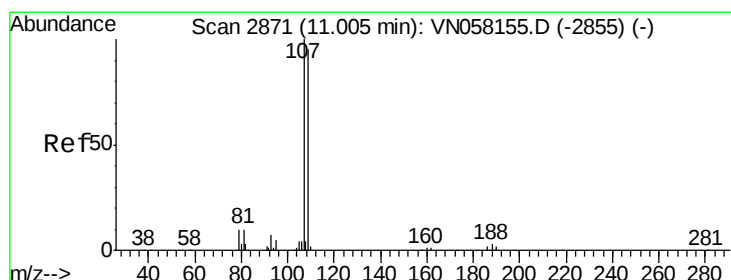
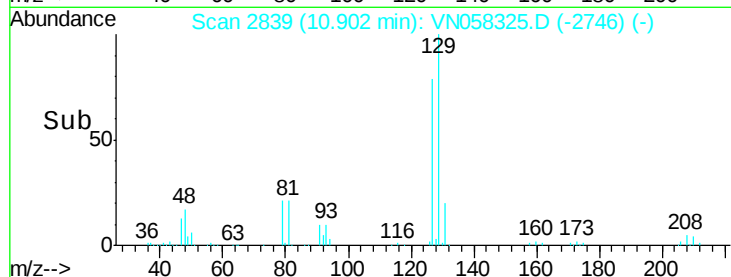
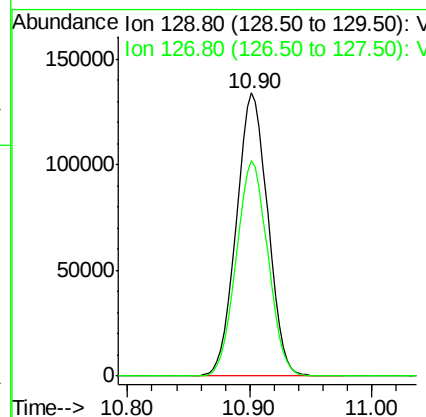
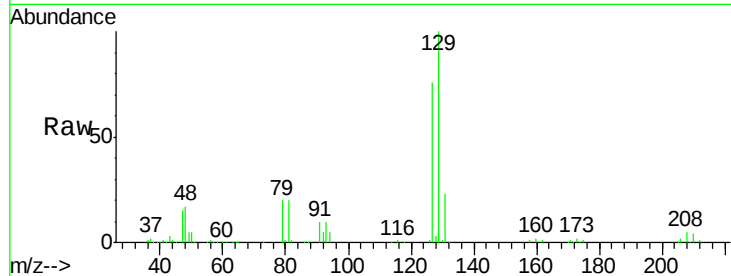
#60
 Dibromochloromethane
 Concen: 55.656 ug/l
 RT: 10.90 min Scan# 2839
 Delta R.T. -0.00 min
 Lab File: VN058325.D
 Acq: 24 Sep 2019 4:05

Instrument :
 MSVOA_N
 ClientSampleId :
 S49-0520MS

Tot Ion	Ratio	Lower	Upper
129	100		
127	76.5	38.7	116.1

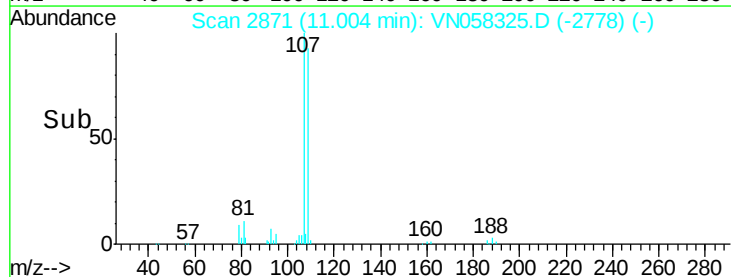
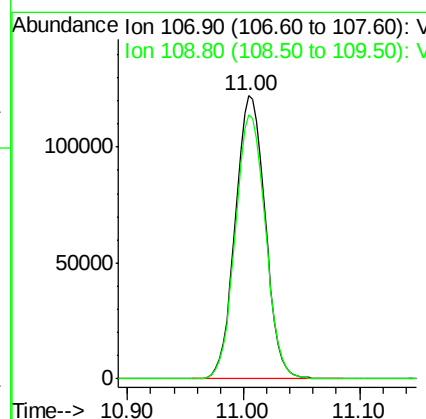
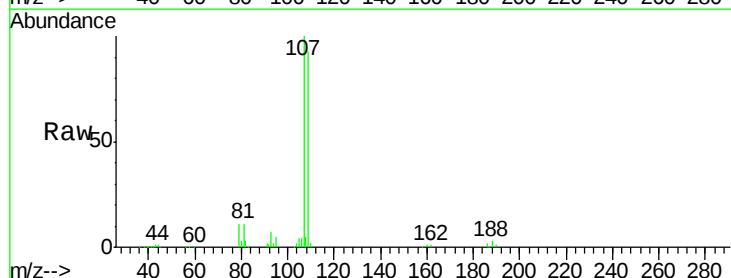
Manual Integrations
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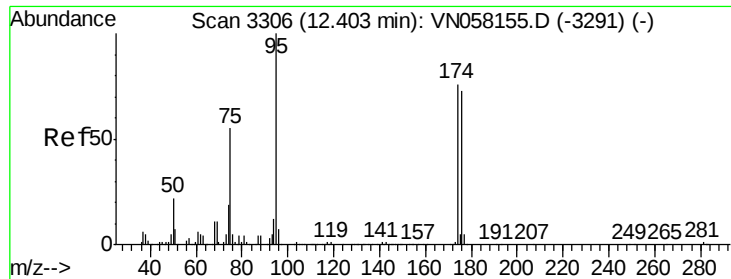
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#61
 1,2-Dibromoethane
 Concen: 52.596 ug/l
 RT: 11.00 min Scan# 2871
 Delta R.T. -0.00 min
 Lab File: VN058325.D
 Acq: 24 Sep 2019 4:05

Tgt Ion	Ratio	Lower	Upper
107	100		
109	93.9	75.4	113.2





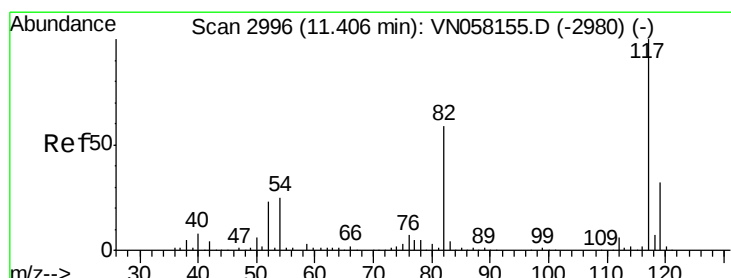
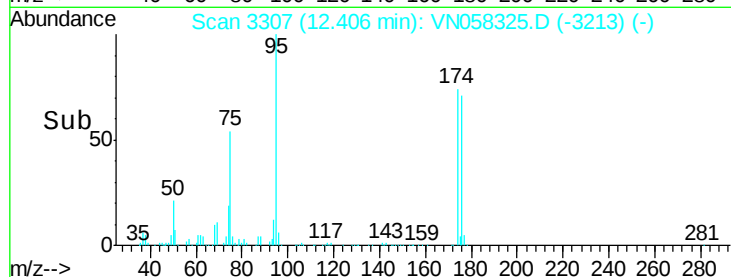
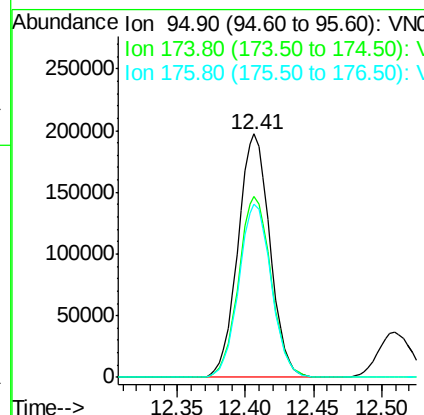
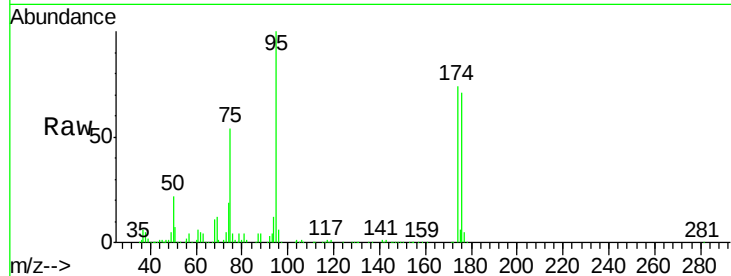
#62
4-Bromofluorobenzene
Concen: 49.816 ug/l
RT: 12.41 min Scan# 3307
Delta R.T. 0.00 min
Lab File: VN058325.D
Acq: 24 Sep 2019 4:05

Instrument :
MSVOA_N
ClientSampled :
S49-0520MS

Tot Ion	Ratio	Resp	Lower	Upper
95	100	321083		
174	75.7	0.0	152.2	
176	72.2	0.0	148.0	

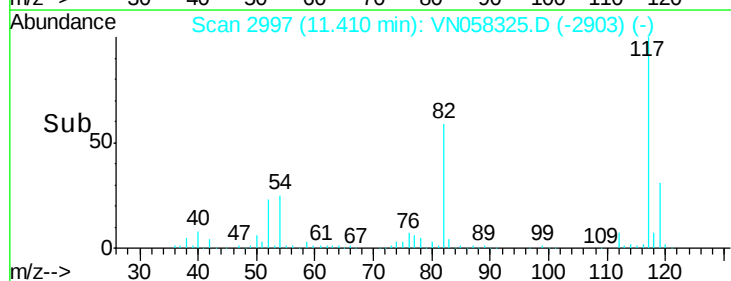
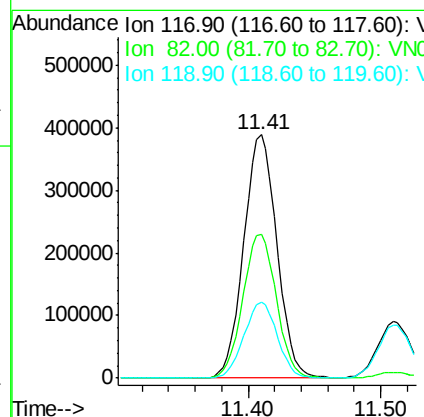
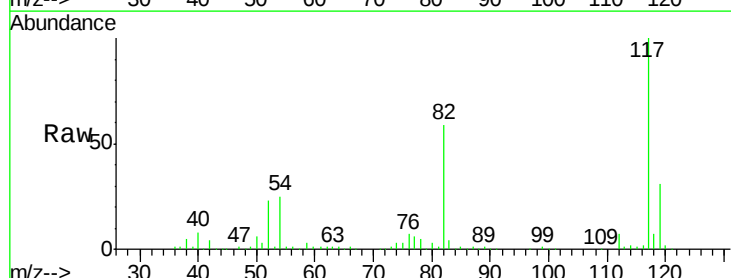
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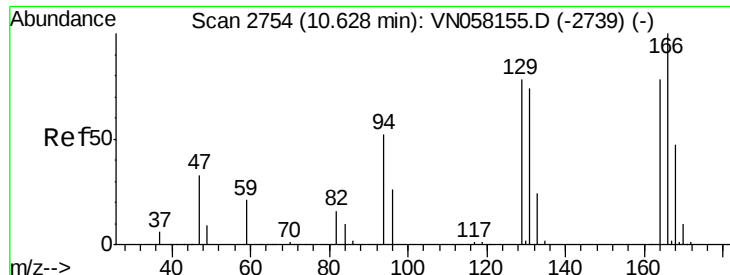
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#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 11.41 min Scan# 2997
Delta R.T. 0.00 min
Lab File: VN058325.D
Acq: 24 Sep 2019 4:05

Tgt Ion	Ratio	Resp	Lower	Upper
117	100	675261		
82	59.1	46.9	70.3	
119	31.5	25.3	37.9	





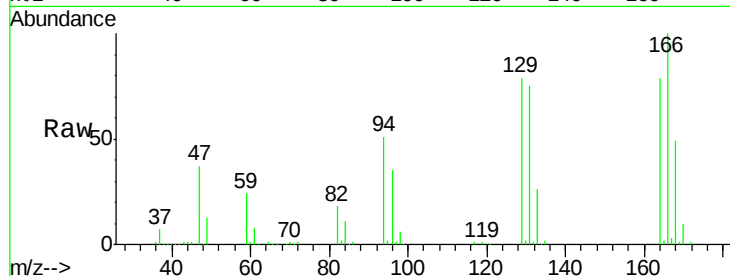
#64
Tetrachloroethene
Concen: 40.986 ug/l
RT: 10.63 min Scan# 2755
Delta R.T. 0.00 min
Lab File: VN058325.D
Acq: 24 Sep 2019 4:05

Instrument :
MSVOA_N
ClientSampleId :
S49-0520MS

Tot Ion	Ratio	Resp	Lower	Upper
164	100			
166	126.8	102.2	153.4	
129	99.5	79.6	119.4	
131	95.2	76.0	114.0	

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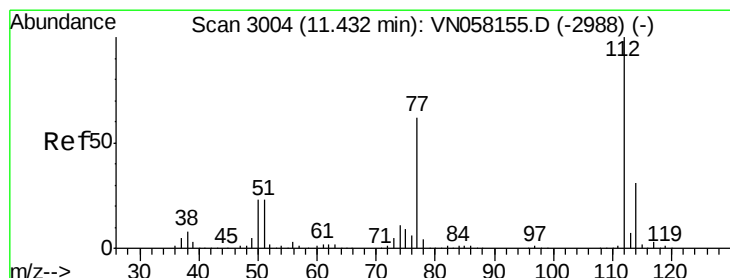
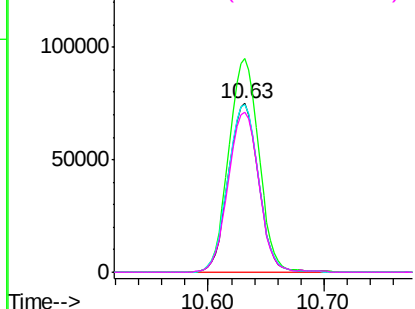
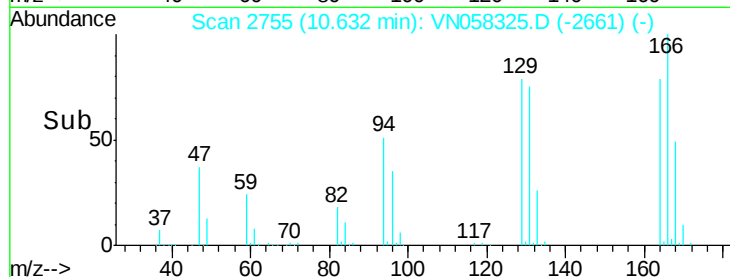
Abundance

Ion 163.80 (163.50 to 164.50): V

Ion 165.80 (165.50 to 166.50): V

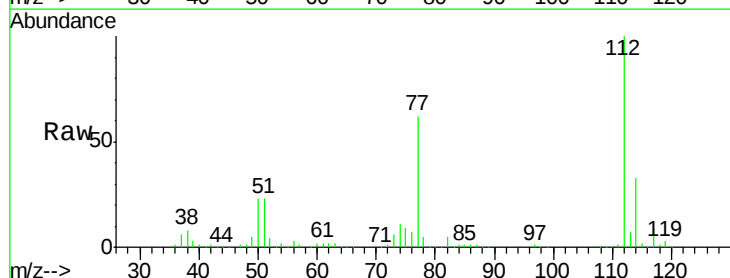
Ion 128.80 (128.50 to 129.50): V

Ion 130.80 (130.50 to 131.50): V



#65
Chlorobenzene
Concen: 47.969 ug/l
RT: 11.44 min Scan# 3005
Delta R.T. 0.00 min
Lab File: VN058325.D
Acq: 24 Sep 2019 4:05

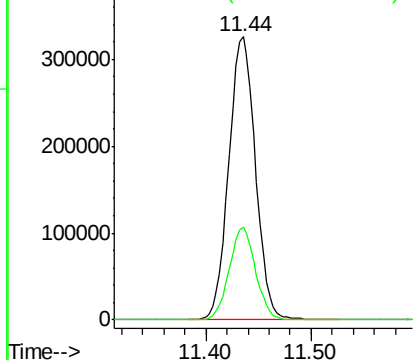
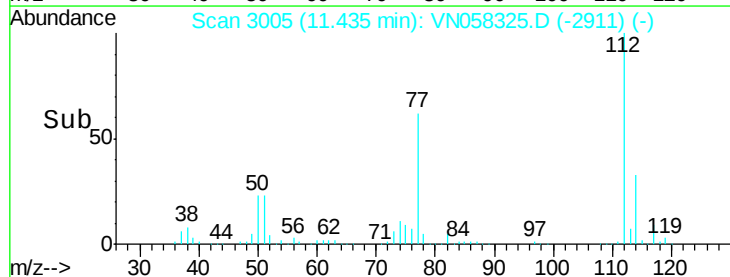
Tgt Ion	Ratio	Resp	Lower	Upper
112	100			
114	32.8	25.1	37.7	

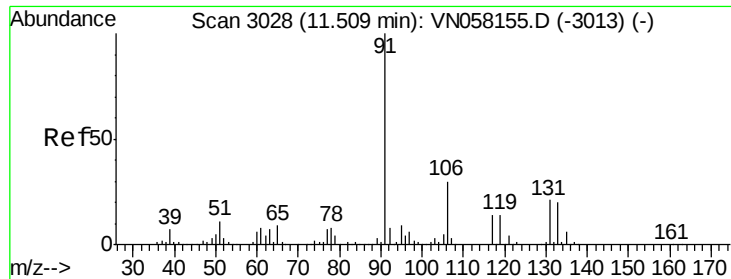


Abundance

Ion 111.90 (111.60 to 112.60): V

Ion 113.90 (113.60 to 114.60): V





#66

1,1,1,2-Tetrachloroethane

Concen: 52.380 ug/l

RT: 11.51 min Scan# 3028

Delta R.T. -0.00 min

Lab File: VN058325.D

Acq: 24 Sep 2019 4:05

Instrument :

MSVOA_N

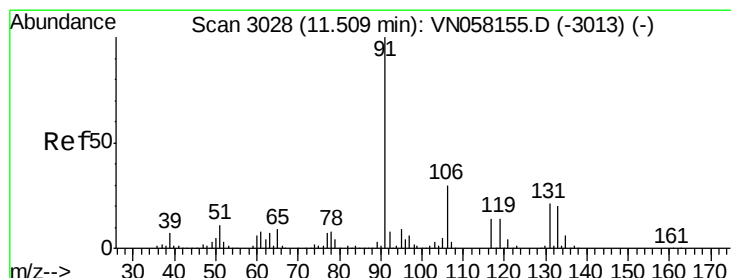
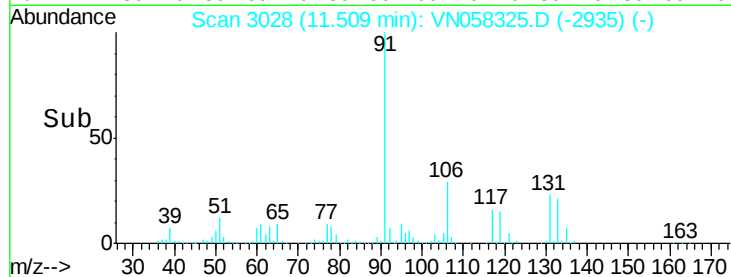
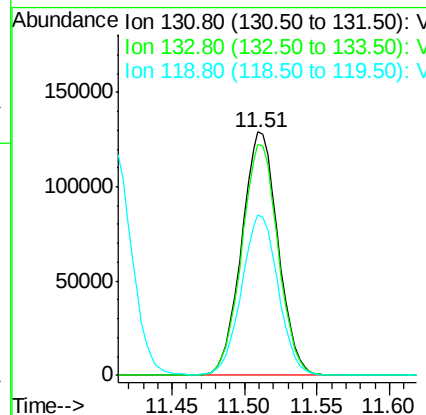
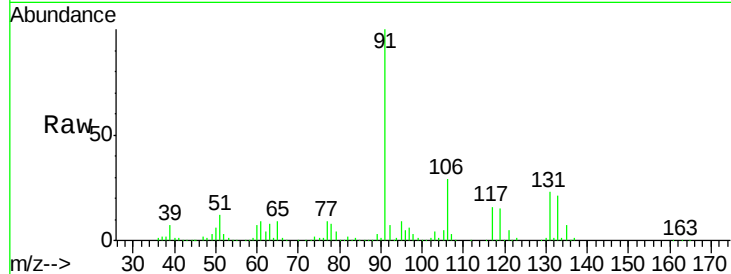
ClientSampleId :

S49-0520MS

Tot Ion	Ratio	Resp	Lower	Upper
131	100	225587		
133	94.6	47.8	143.3	
119	66.1	33.1	99.3	

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#67

Ethyl Benzene

Concen: 49.579 ug/l

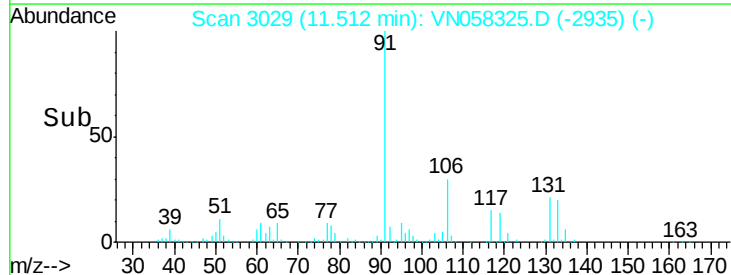
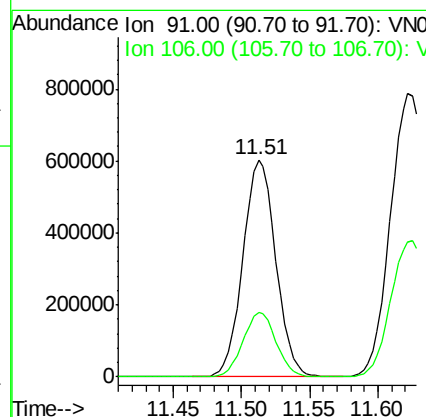
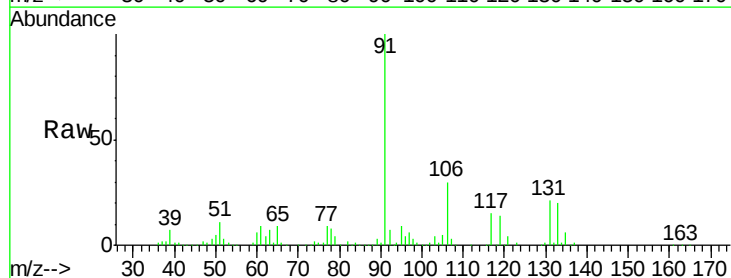
RT: 11.51 min Scan# 3029

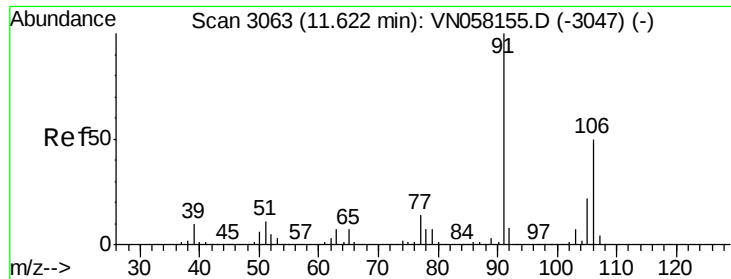
Delta R.T. 0.00 min

Lab File: VN058325.D

Acq: 24 Sep 2019 4:05

Tgt Ion	Ratio	Resp	Lower	Upper
91	100	1009007		
106	29.6	24.0	36.0	





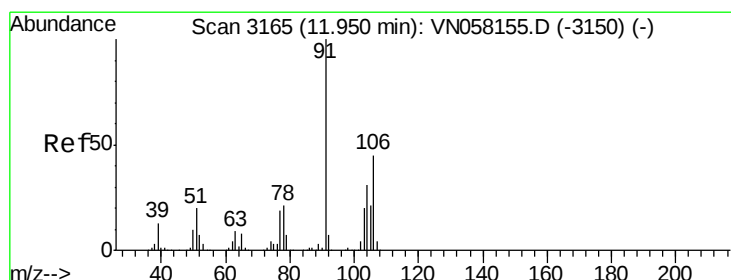
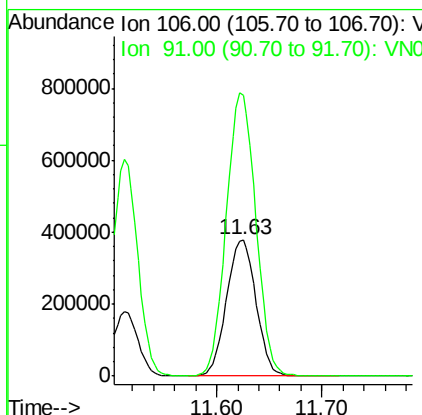
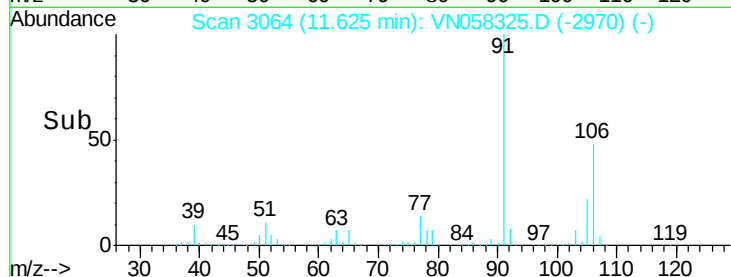
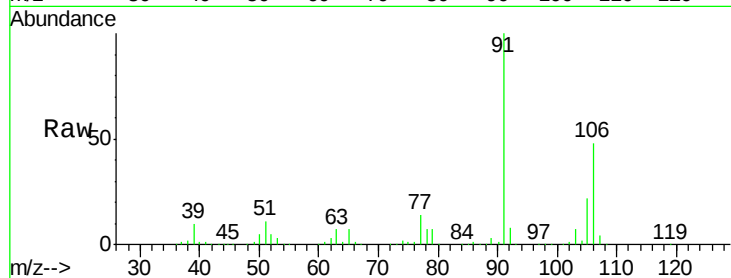
#68
m/p-Xylenes
Concen: 95.303 ug/l
RT: 11.63 min Scan# 3064
Delta R.T. 0.00 min
Lab File: VN058325.D
Acq: 24 Sep 2019 4:05

Instrument :
MSVOA_N
ClientSampled :
S49-0520MS

Tot Ion:106 Resp: 730509
Ion Ratio Lower Upper
106 100
91 207.9 163.6 245.4

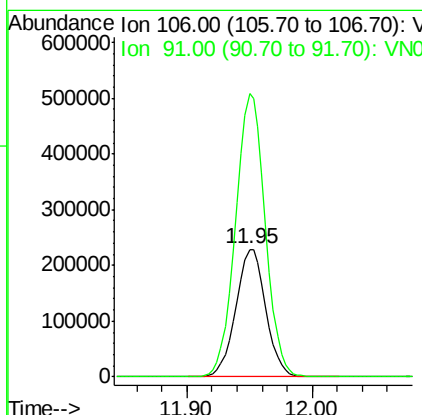
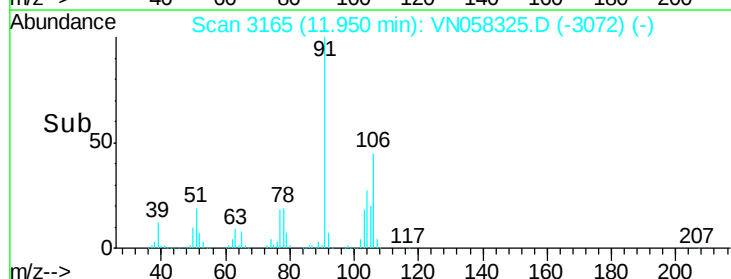
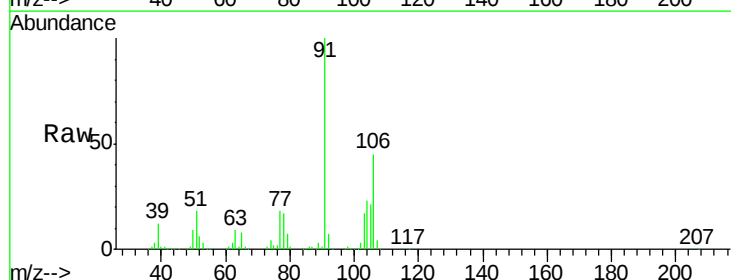
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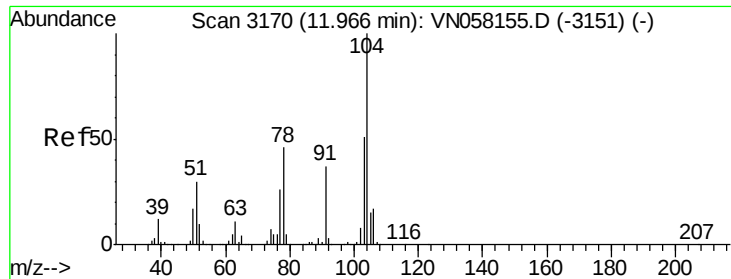
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#69
o-Xylene
Concen: 50.021 ug/l
RT: 11.95 min Scan# 3165
Delta R.T. -0.00 min
Lab File: VN058325.D
Acq: 24 Sep 2019 4:05

Tgt Ion:106 Resp: 377010
Ion Ratio Lower Upper
106 100
91 221.0 111.8 335.3





#70

Stvrene

Concen: 50.968 ug/l

RT: 11.97 min Scan# 3170

Delta R.T. -0.00 min

Lab File: VN058325.D

Acq: 24 Sep 2019 4:05

Instrument :

MSVOA_N

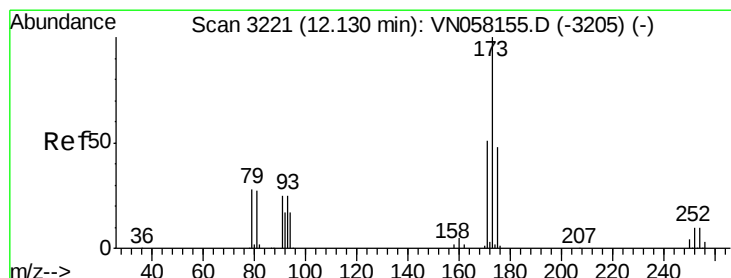
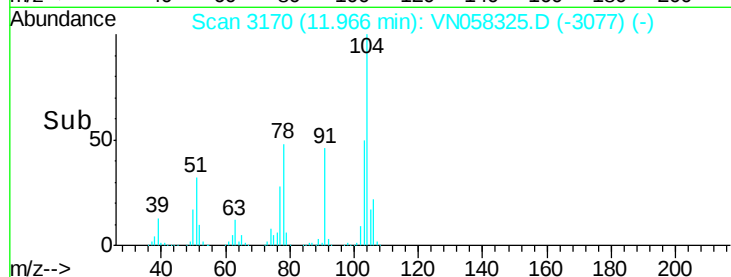
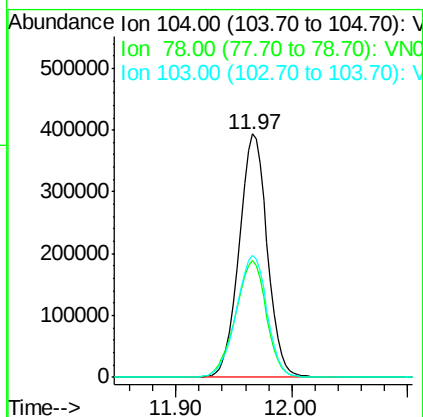
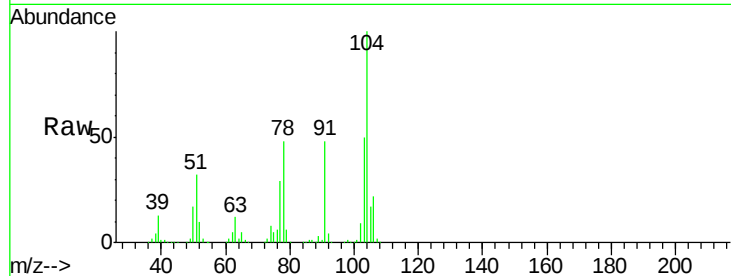
ClientSampled :

S49-0520MS

Tot Ion:	104	Resp:	661883
Ion Ratio	Lower	Upper	
104	100		
78	52.7	41.8	62.8
103	54.9	44.2	66.2

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#71

Bromoform

Concen: 47.981 ug/l

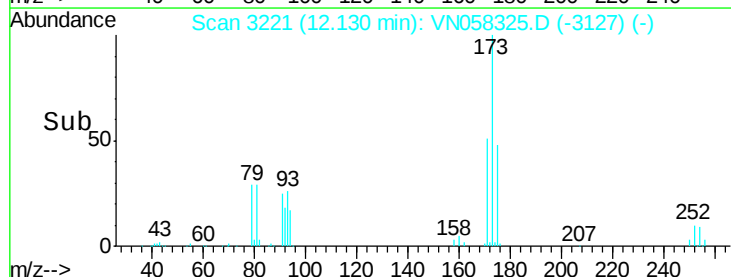
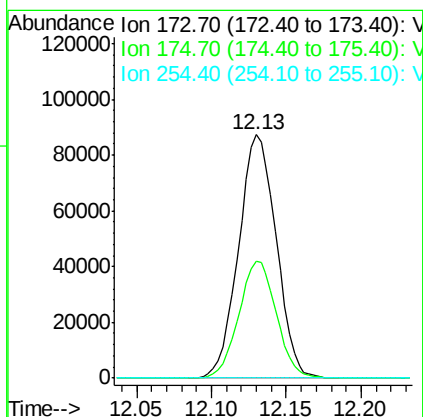
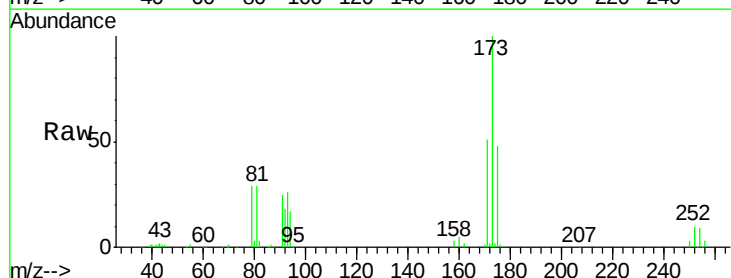
RT: 12.13 min Scan# 3221

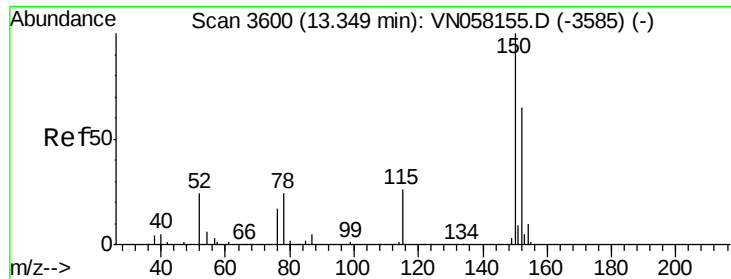
Delta R.T. 0.00 min

Lab File: VN058325.D

Acq: 24 Sep 2019 4:05

Tgt Ion:	173	Resp:	152704
Ion Ratio	Lower	Upper	
173	100		
175	47.9	24.2	72.6
254	0.1	0.1	0.1#





#72

1,4-Dichlorobenzene-d4

Concen: 50.000 ug/l

RT: 13.35 min Scan# 3601

Delta R.T. 0.00 min

Lab File: VN058325.D

Acq: 24 Sep 2019 4:05

Instrument :

MSVOA_N

ClientSampleId :

S49-0520MS

Tot Ion:152 Resp: 331392

Ion Ratio Lower Upper

152 100

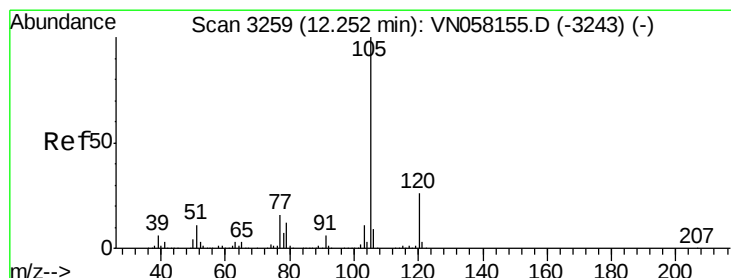
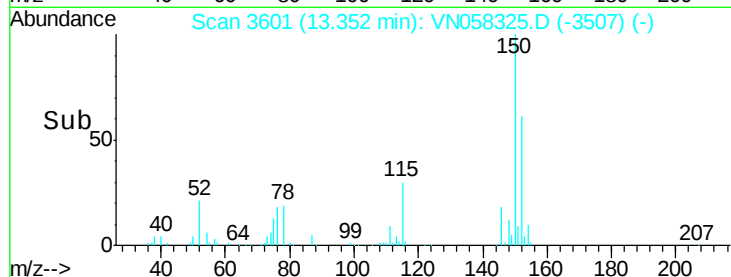
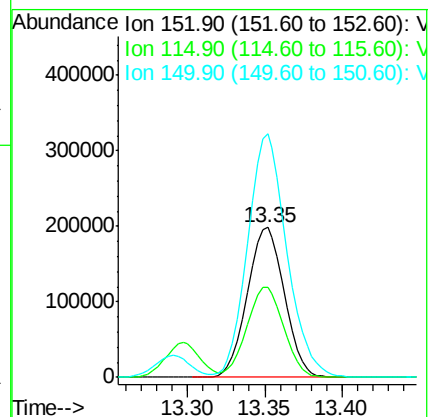
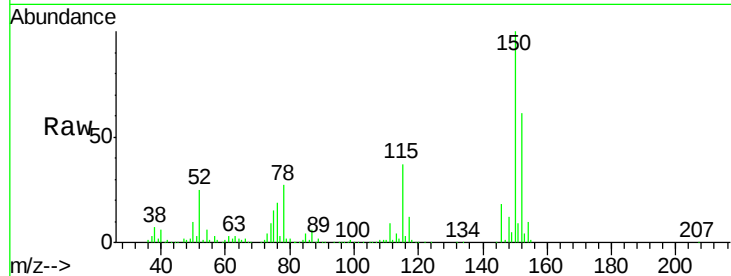
115 59.8 30.1 90.3

150 171.3 0.0 346.4

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#73

Isopropylbenzene

Concen: 49.931 ug/l

RT: 12.25 min Scan# 3259

Delta R.T. -0.00 min

Lab File: VN058325.D

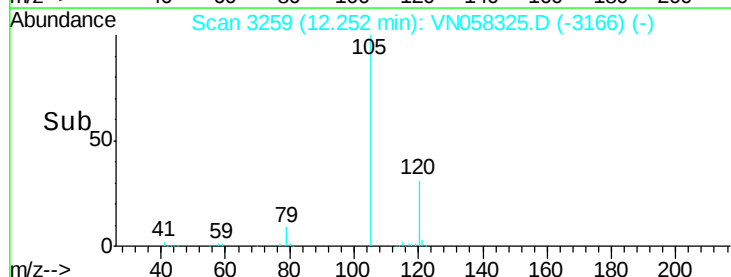
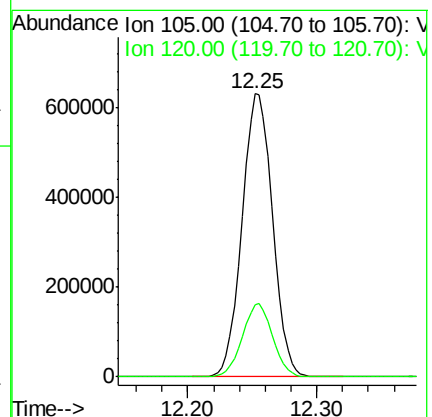
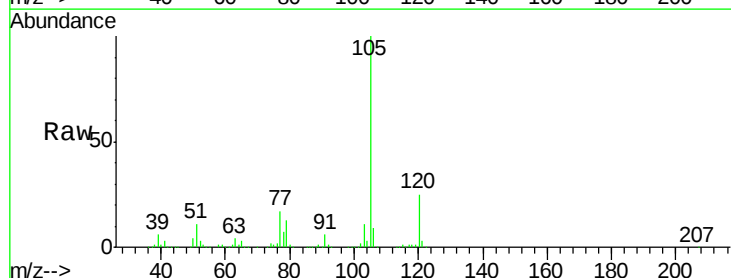
Acq: 24 Sep 2019 4:05

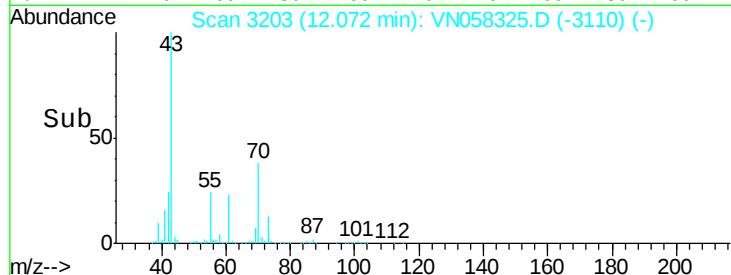
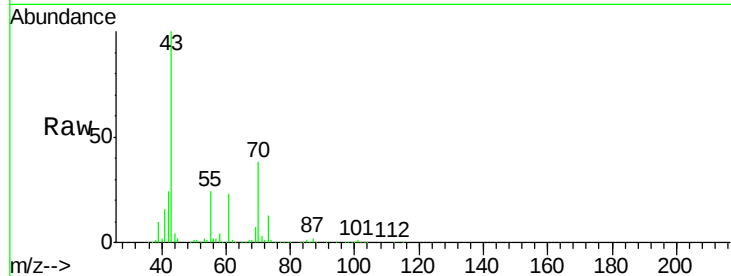
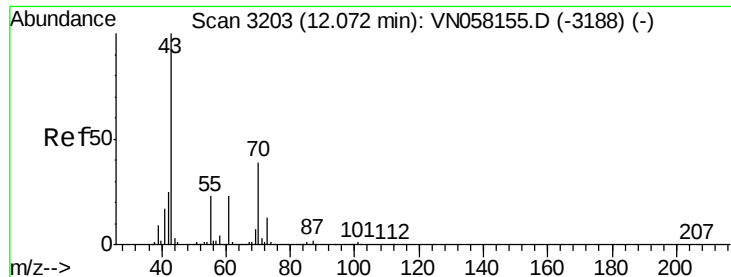
Tgt Ion:105 Resp: 1035716

Ion Ratio Lower Upper

105 100

120 25.6 12.8 38.3





#74

N-amvl acetate

Concen: 52.394 ug/l

RT: 12.07 min Scan# 3203

Delta R.T. -0.00 min

Lab File: VN058325.D

Acq: 24 Sep 2019 4:05

Tot Ion:	43	Resp:	454656
Ion	Ratio	Lower	Upper
43	100		
70	38.9	31.0	46.6
55	24.8	18.5	27.7
61	22.4	18.2	27.2

Instrument :

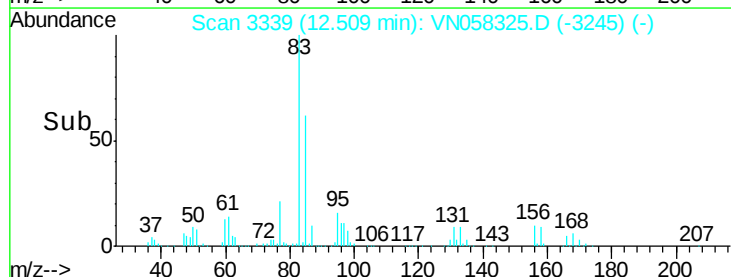
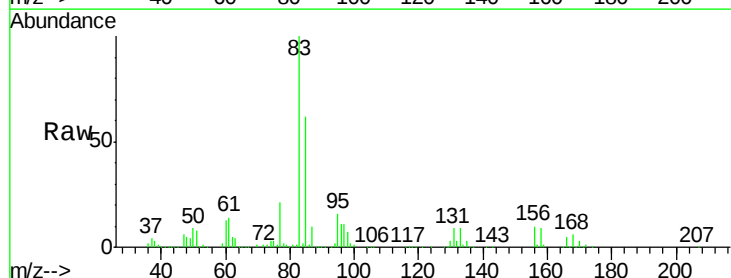
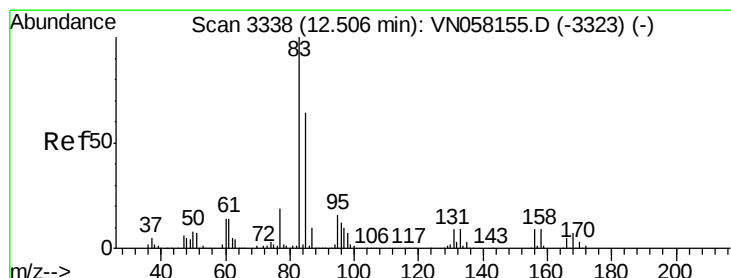
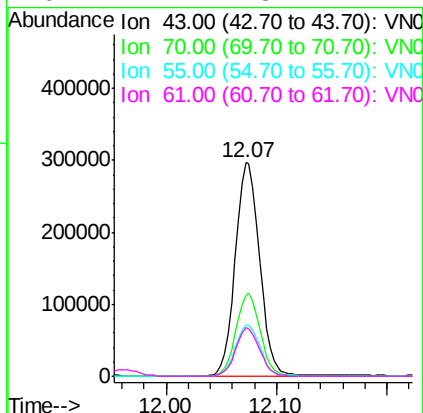
MSVOA_N

ClientSampleId :

S49-0520MS

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#75

1,1,2,2-Tetrachloroethane

Concen: 56.235 ug/l

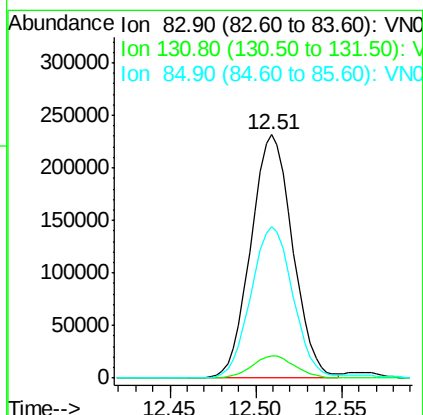
RT: 12.51 min Scan# 3339

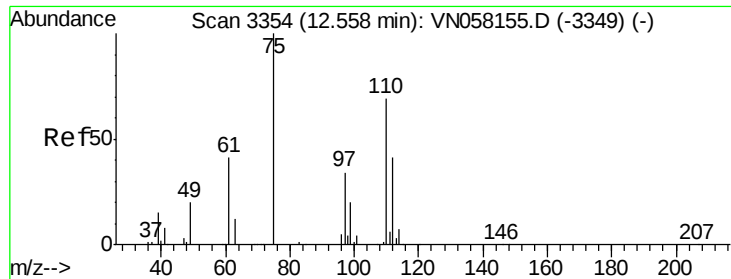
Delta R.T. 0.00 min

Lab File: VN058325.D

Acq: 24 Sep 2019 4:05

Tgt Ion:	83	Resp:	390627
Ion	Ratio	Lower	Upper
83	100		
131	9.5	4.8	14.3
85	62.4	31.9	95.5





#76

1,2,3-Trichloropropane

Concen: 52.319 ug/l m

RT: 12.56 min Scan# 3355

Delta R.T. 0.00 min

Lab File: VN058325.D

Acq: 24 Sep 2019 4:05

Instrument :

MSVOA_N

ClientSampleId :

S49-0520MS

Tot Ion: 75 Resp: 310296

Ion Ratio Lower Upper

75 100

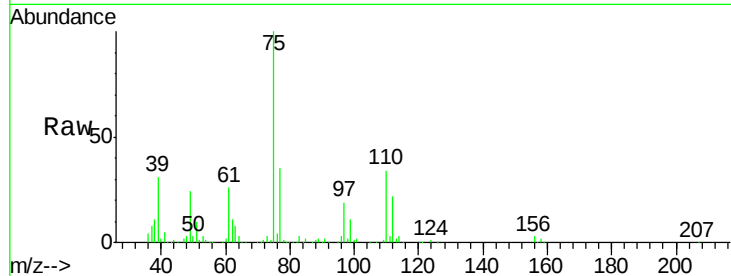
77 0.0 0.0 0.0

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Abundance Ion 74.90 (74.60 to 75.60): VN0

Ion 77.00 (76.70 to 77.70): VN0

300000

250000

200000

150000

100000

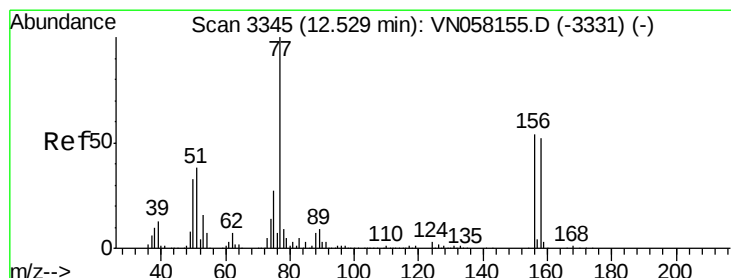
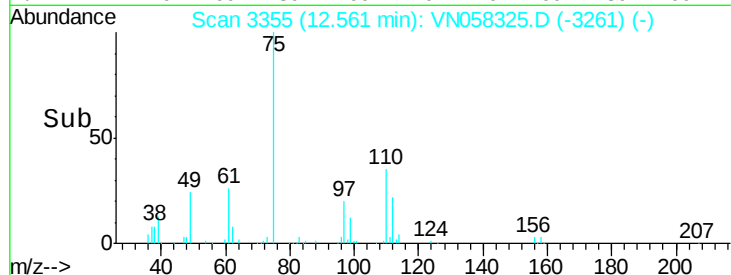
50000

0

12.55

12.60

Time-->



#77

Bromobenzene

Concen: 47.988 ug/l

RT: 12.53 min Scan# 3346

Delta R.T. 0.00 min

Lab File: VN058325.D

Acq: 24 Sep 2019 4:05

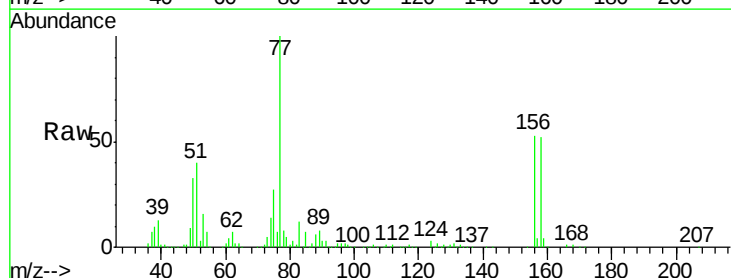
Tgt Ion: 156 Resp: 250388

Ion Ratio Lower Upper

156 100

77 230.7 111.7 335.1

158 96.3 47.9 143.8



Abundance Ion 155.80 (155.50 to 156.50): V

Ion 77.00 (76.70 to 77.70): VN0

Ion 157.80 (157.50 to 158.50): V

300000

200000

100000

0

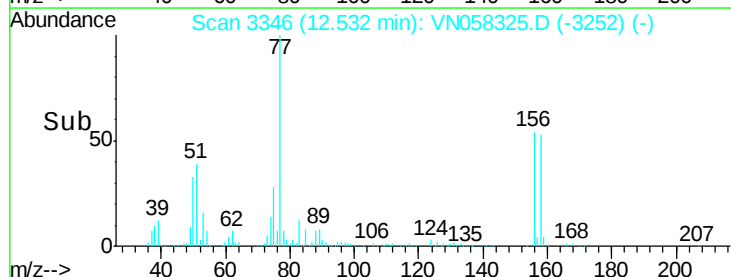
12.45

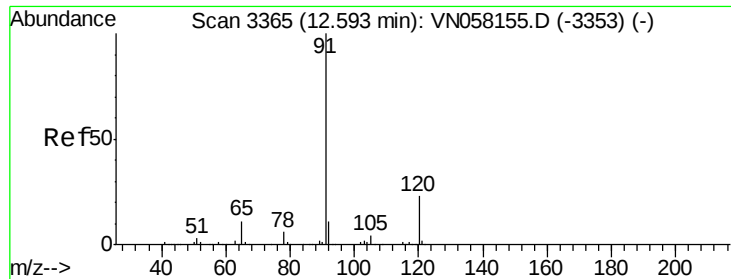
12.50

12.55

12.60

Time-->





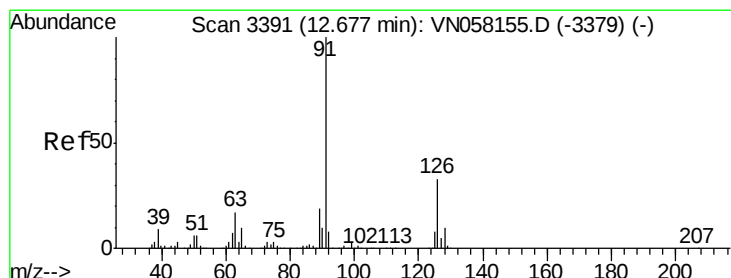
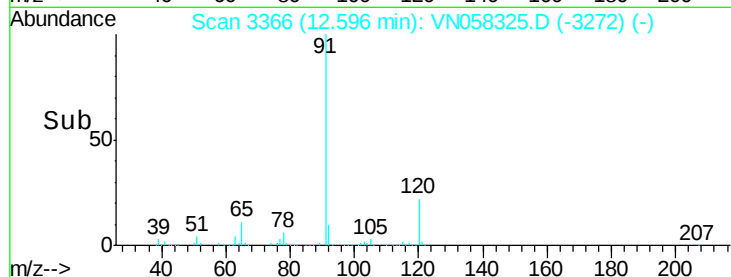
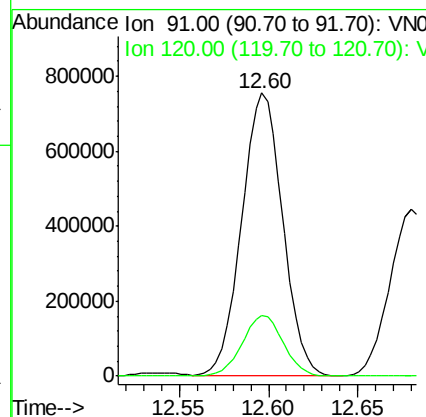
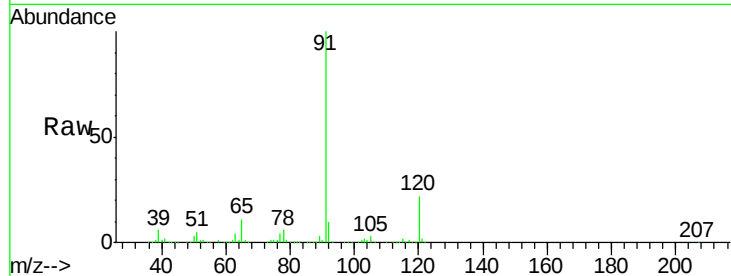
#78
n-propylbenzene
Concen: 51.166 ug/l
RT: 12.60 min Scan# 3366
Delta R.T. 0.00 min
Lab File: VN058325.D
Acq: 24 Sep 2019 4:05

Instrument :
MSVOA_N
ClientSampleId :
S49-0520MS

Tot Ion: 91 Resp: 1206048
Ion Ratio Lower Upper
91 100
120 21.6 11.1 33.3

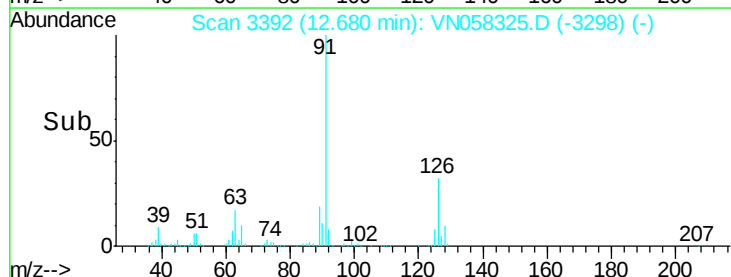
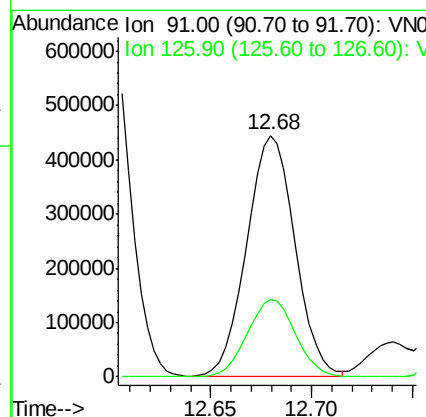
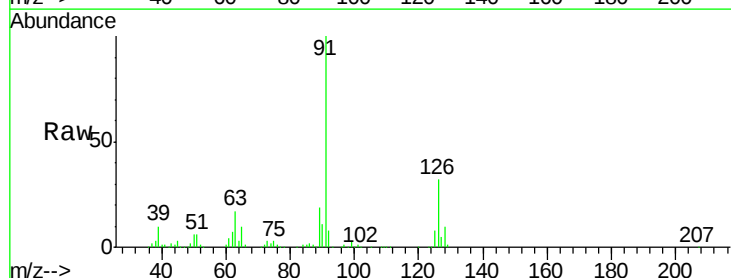
Manual Integrations
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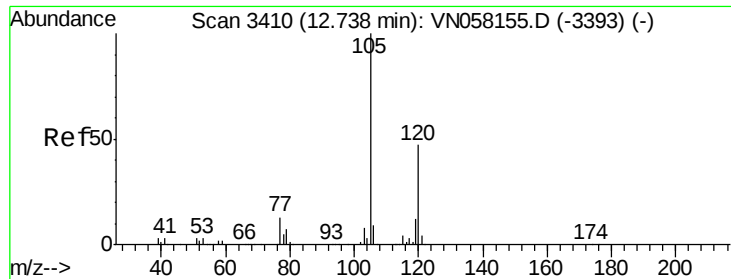
MMDadoda
9/25/2019 12:49:51 AM



#79
2-Chlorotoluene
Concen: 50.274 ug/l
RT: 12.68 min Scan# 3392
Delta R.T. 0.00 min
Lab File: VN058325.D
Acq: 24 Sep 2019 4:05

Tgt Ion: 91 Resp: 740610
Ion Ratio Lower Upper
91 100
126 32.5 16.4 49.1





#80

1,3,5-Trimethylbenzene

Concen: 51.034 ug/l

RT: 12.74 min Scan# 3410

Delta R.T. -0.00 min

Lab File: VN058325.D

Acq: 24 Sep 2019 4:05

Instrument :

MSVOA_N

ClientSampleId :

S49-0520MS

Tot Ion: 105 Resp: 895177

Ion Ratio Lower Upper

105 100

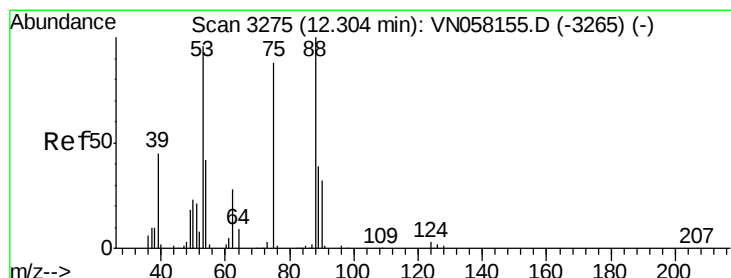
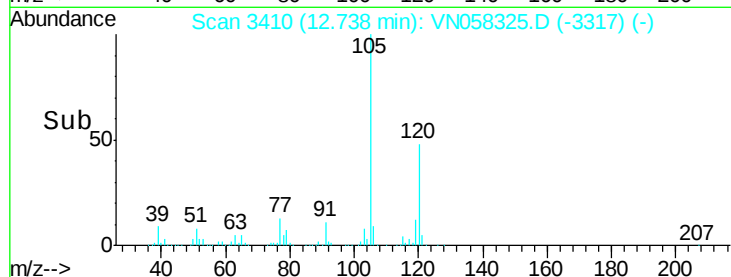
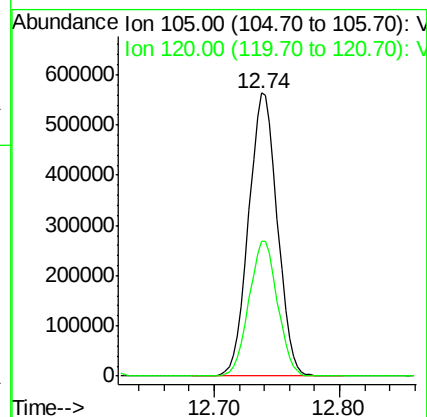
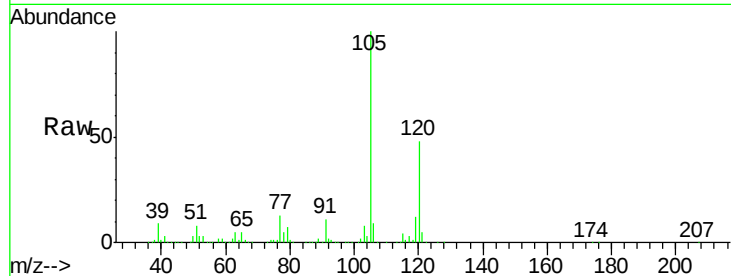
120 47.8 23.4 70.0

Manual Integrations

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#81

trans-1,4-Dichloro-2-butene

Concen: 43.752 ug/l

RT: 12.31 min Scan# 3276

Delta R.T. 0.00 min

Lab File: VN058325.D

Acq: 24 Sep 2019 4:05

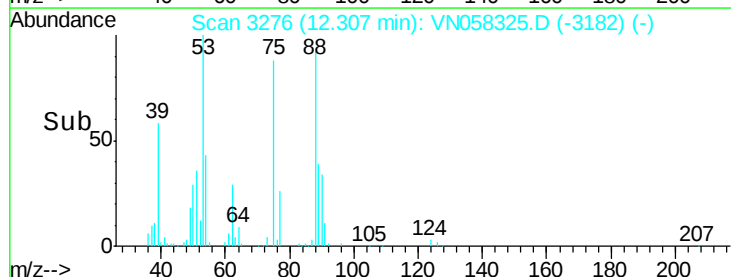
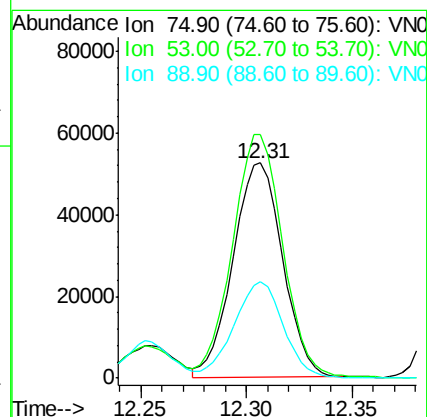
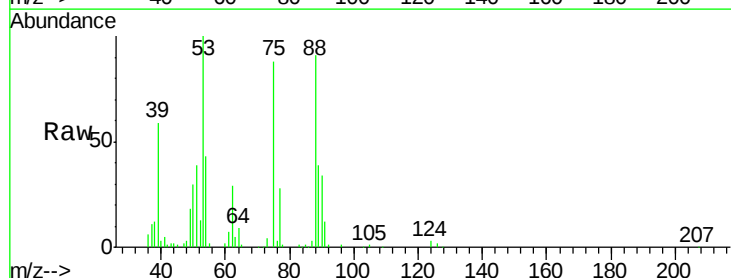
Tgt Ion: 75 Resp: 85558

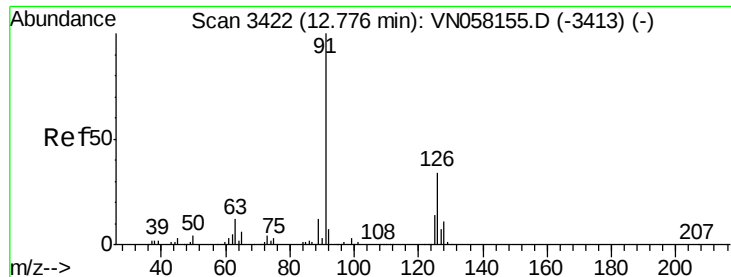
Ion Ratio Lower Upper

75 100

53 116.3 90.1 135.1

89 45.1 36.2 54.2





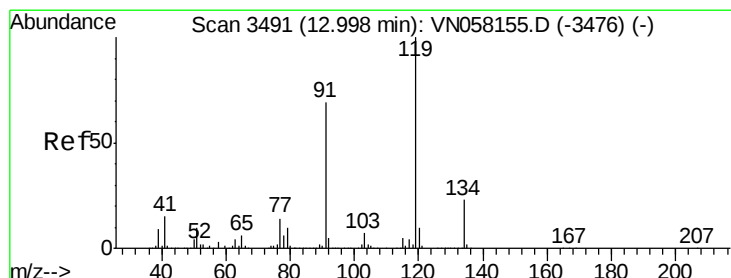
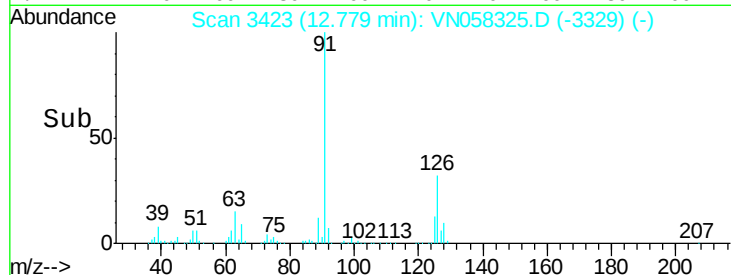
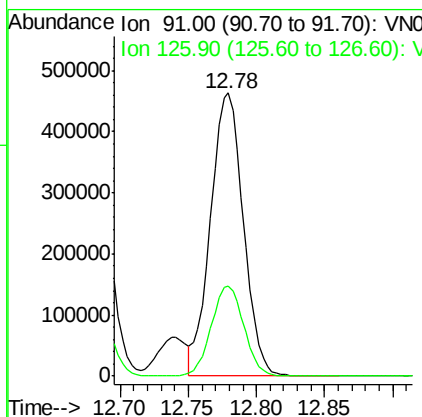
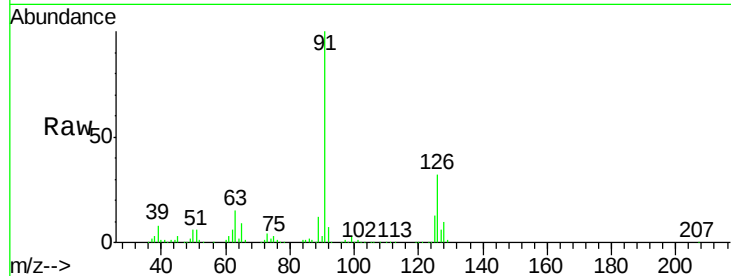
#82
4-Chlorotoluene
Concen: 49.831 ug/l
RT: 12.78 min Scan# 3423
Delta R.T. 0.00 min
Lab File: VN058325.D
Acq: 24 Sep 2019 4:05

Instrument :
MSVOA_N
ClientSampled :
S49-0520MS

Tot Ion: 91 Resp: 771638
Ion Ratio Lower Upper
91 100
126 31.6 15.7 47.1

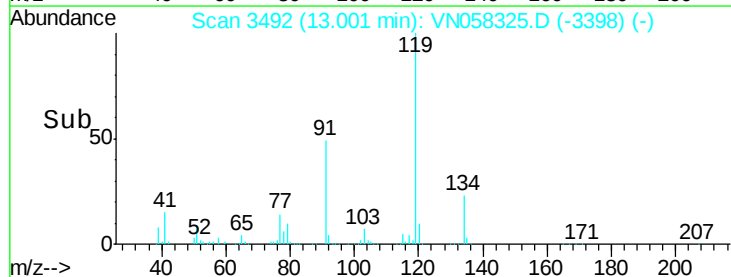
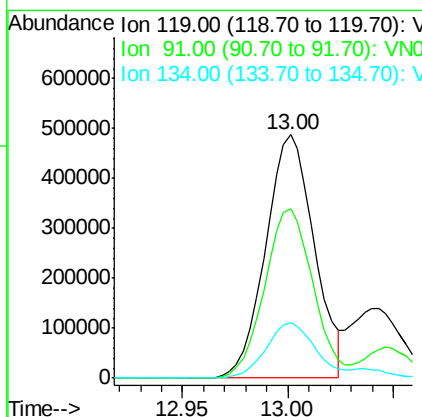
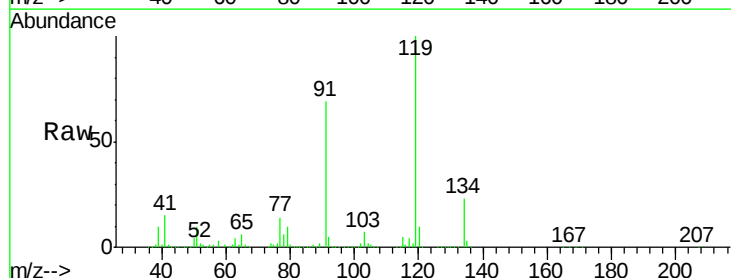
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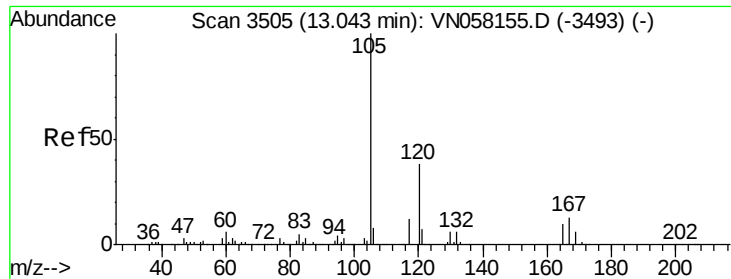
MMDadoda
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#83
tert-Butylbenzene
Concen: 49.866 ug/l
RT: 13.00 min Scan# 3492
Delta R.T. 0.00 min
Lab File: VN058325.D
Acq: 24 Sep 2019 4:05

Tgt Ion: 119 Resp: 780027
Ion Ratio Lower Upper
119 100
91 69.8 33.8 101.3
134 23.0 11.6 34.8





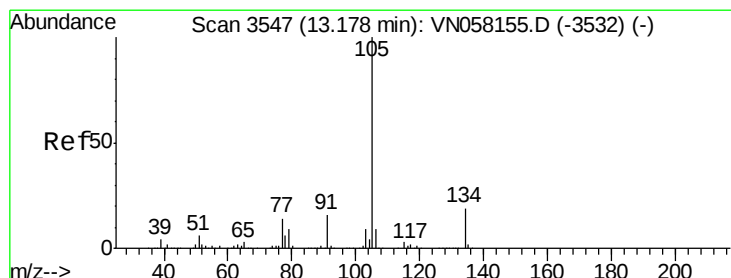
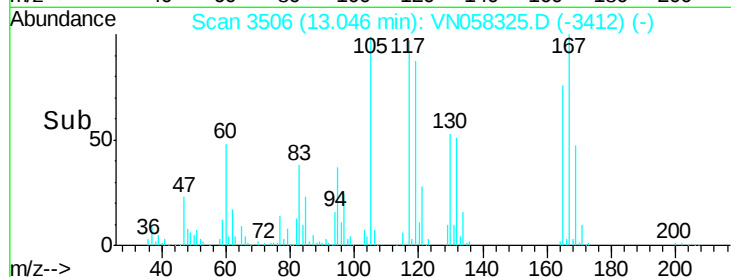
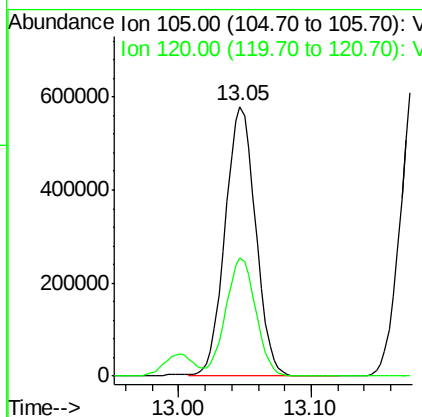
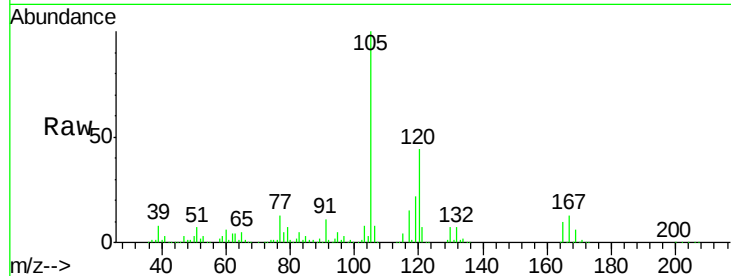
#84
1,2,4-Trimethylbenzene
Concen: 52.898 ug/l
RT: 13.05 min Scan# 3506
Delta R.T. 0.00 min
Lab File: VN058325.D
Acq: 24 Sep 2019 4:05

Instrument :
MSVOA_N
ClientSampleId :
S49-0520MS

Tot Ion	Ratio	Lower	Upper
105	100		
120	43.5	22.1	66.5

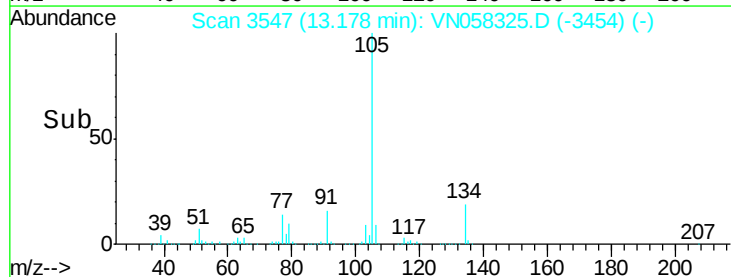
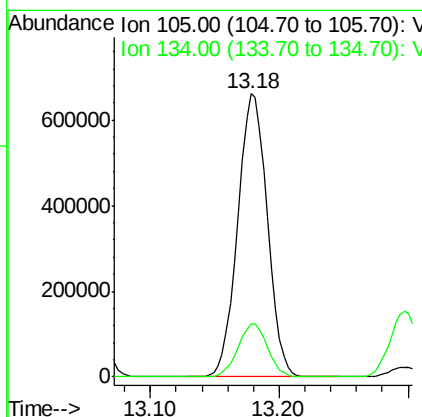
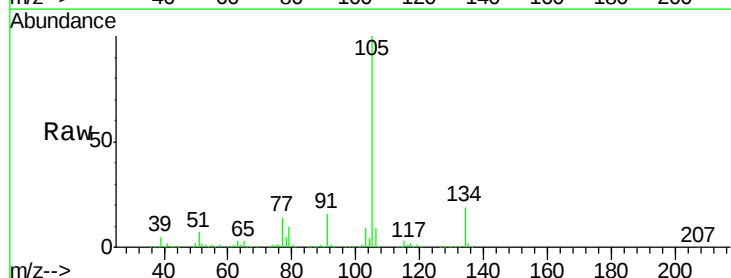
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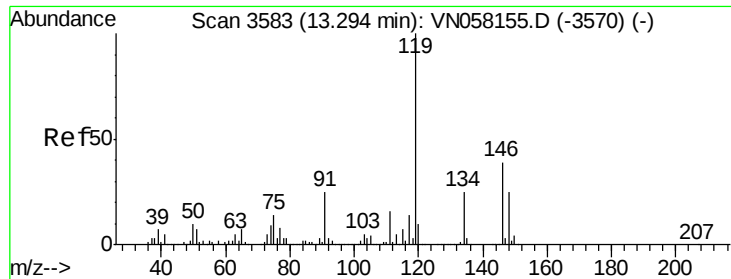
MMDadoda
9/25/2019 12:49:51 AM



#85
sec-Butylbenzene
Concen: 51.472 ug/l
RT: 13.18 min Scan# 3547
Delta R.T. -0.00 min
Lab File: VN058325.D
Acq: 24 Sep 2019 4:05

Tgt Ion	Ratio	Lower	Upper
105	100		
134	18.7	9.5	28.5





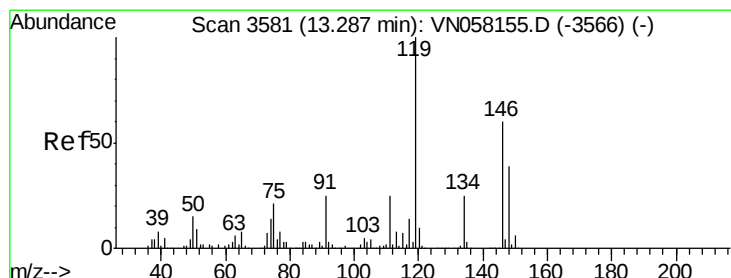
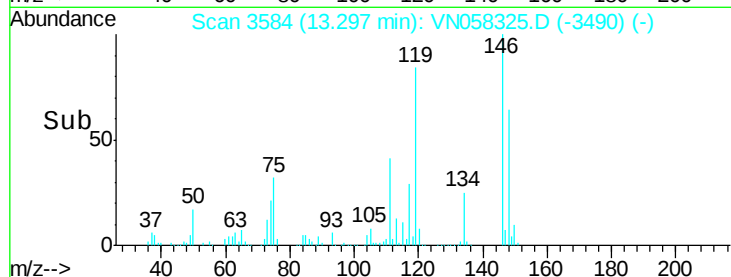
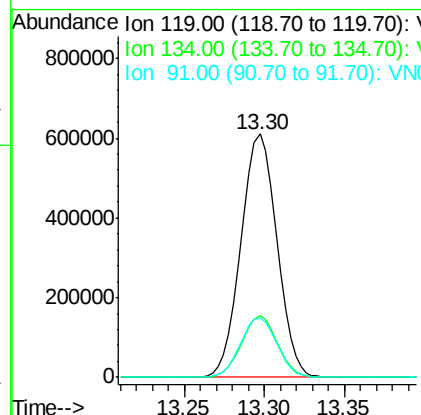
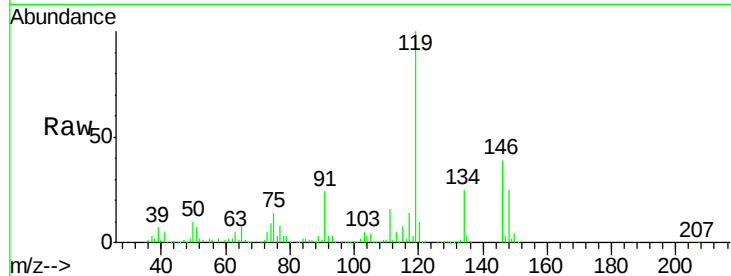
#86
 p-Isopropyltoluene
 Concen: 51.329 ug/l
 RT: 13.30 min Scan# 3584
 Delta R.T. 0.00 min
 Lab File: VN058325.D
 Acq: 24 Sep 2019 4:05

Instrument :
 MSVOA_N
 ClientSampleId :
 S49-0520MS

Tot Ion	Ratio	Resp	Lower	Upper
119	100	933414		
134	25.1	12.7	38.0	
91	24.7	12.3	36.8	

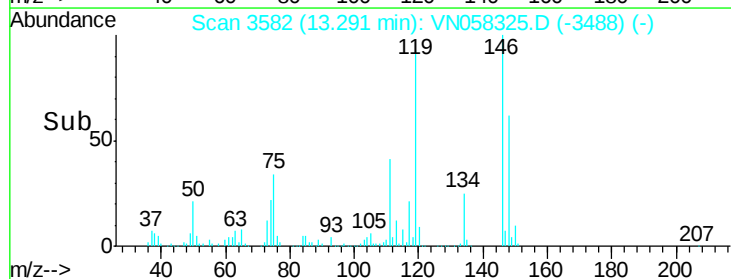
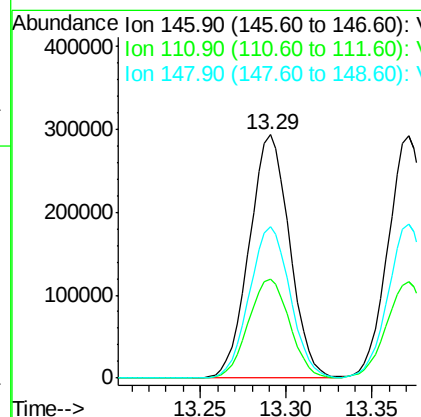
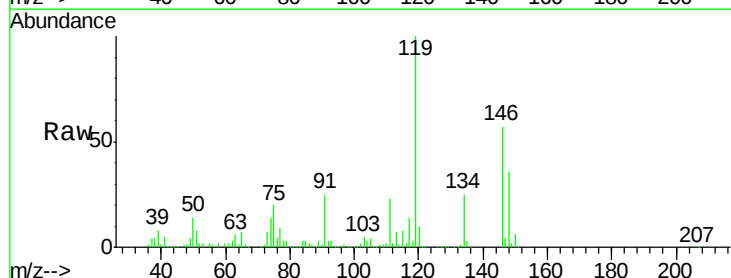
Manual Integrations
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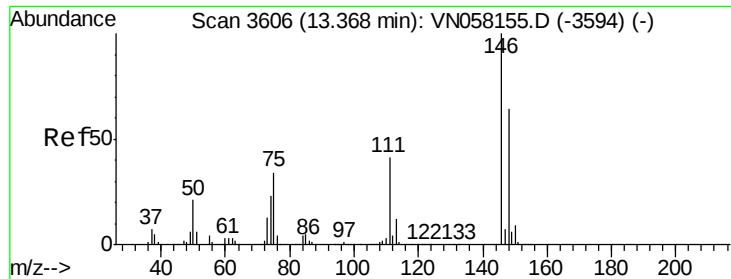
MMDadoda
 9/25/2019 12:49:51 AM



#87
 1,3-Dichlorobenzene
 Concen: 50.182 ug/l
 RT: 13.29 min Scan# 3582
 Delta R.T. 0.00 min
 Lab File: VN058325.D
 Acq: 24 Sep 2019 4:05

Tgt Ion	Ratio	Resp	Lower	Upper
146	100	478238		
111	41.6	20.9	62.8	
148	62.8	32.0	96.2	





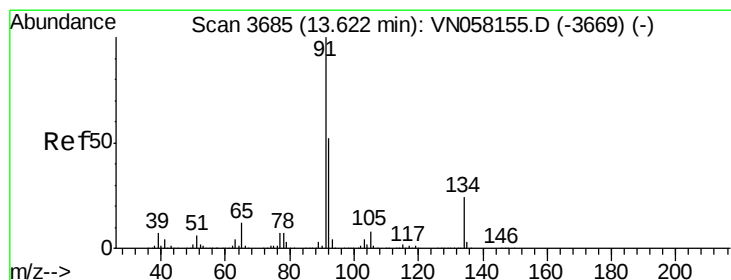
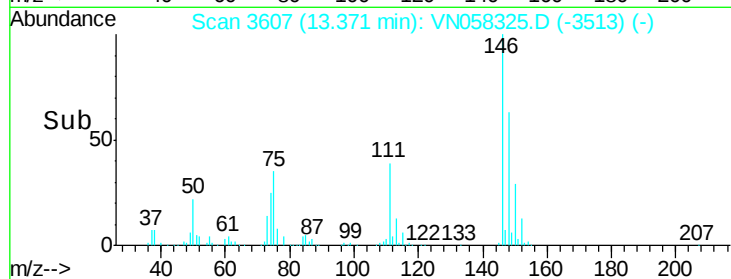
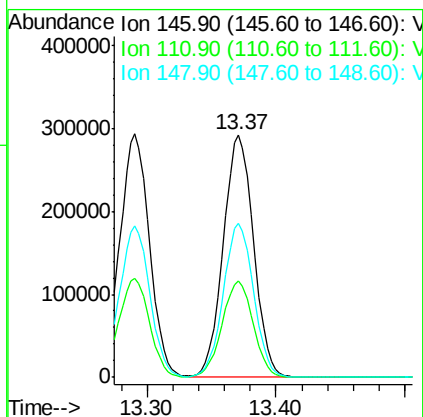
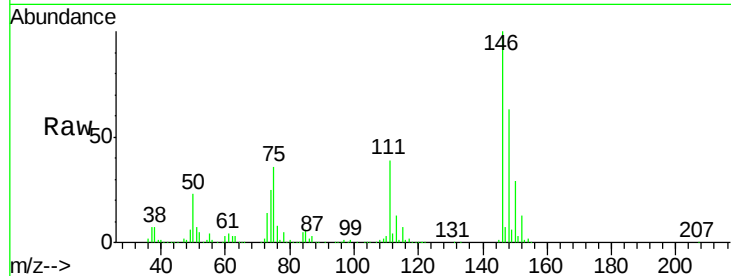
#88
 1,4-Dichlorobenzene
 Concen: 48.857 ug/l
 RT: 13.37 min Scan# 3607
 Delta R.T. 0.00 min
 Lab File: VN058325.D
 Acq: 24 Sep 2019 4:05

Instrument :
 MSVOA_N
 ClientSampleId :
 S49-0520MS

Tot Ion	Ratio	Lower	Upper
146	100		
111	40.7	20.5	61.5
148	63.4	31.9	95.5

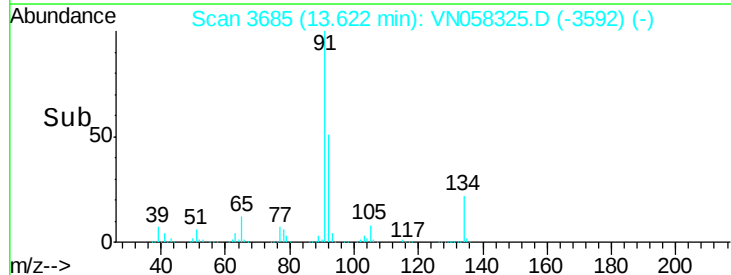
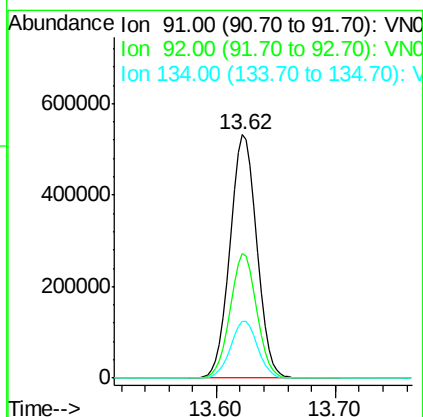
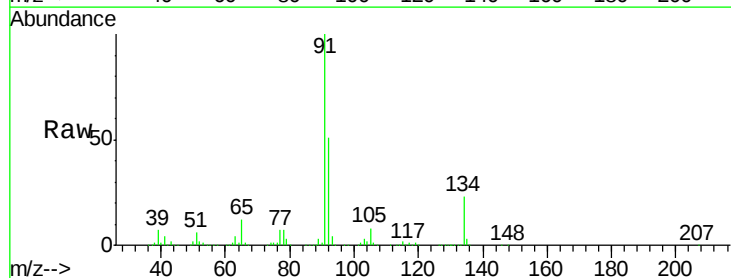
Manual Integrations
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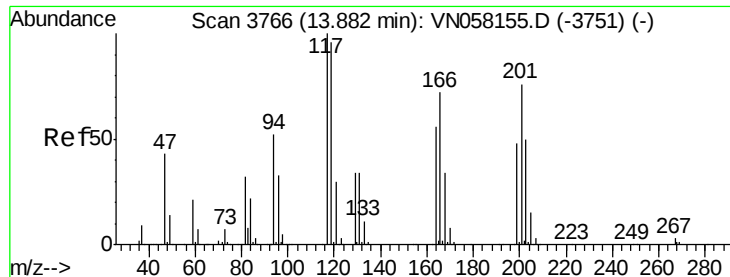
MMDadoda
 9/25/2019 12:49:51 AM



#89
 n-Butylbenzene
 Concen: 48.205 ug/l
 RT: 13.62 min Scan# 3685
 Delta R.T. -0.00 min
 Lab File: VN058325.D
 Acq: 24 Sep 2019 4:05

Tgt Ion	Ratio	Lower	Upper
91	100		
92	50.7	25.7	77.0
134	23.4	11.8	35.4





#90

Hexachloroethane

Concen: 48.747 ug/l

RT: 13.88 min Scan# 3766

Delta R.T. 0.00 min

Lab File: VN058325.D

Acq: 24 Sep 2019 4:05

Instrument :

MSVOA_N

ClientSampled :

S49-0520MS

Tot Ion:117 Resp: 155206

Ion Ratio Lower Upper

117 100

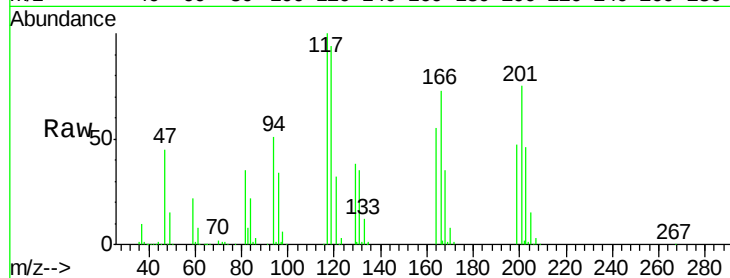
201 73.2 37.5 112.5

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Abundance Ion 116.80 (116.50 to 117.50): V

Ion 200.70 (200.40 to 201.40): V

13.88

100000

80000

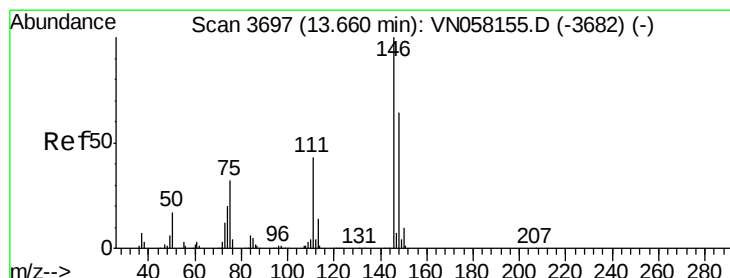
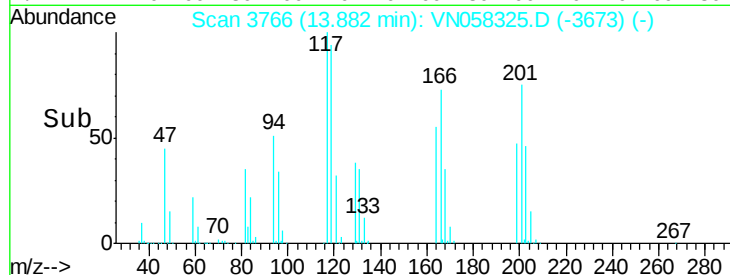
60000

40000

20000

0

Time--> 13.80 13.85 13.90 13.95



#91

1,2-Dichlorobenzene

Concen: 50.895 ug/l

RT: 13.66 min Scan# 3697

Delta R.T. -0.00 min

Lab File: VN058325.D

Acq: 24 Sep 2019 4:05

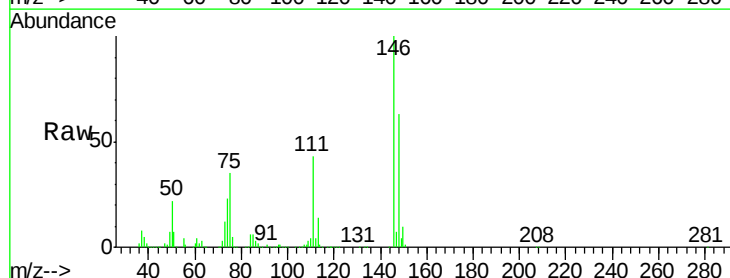
Tgt Ion:146 Resp: 486544

Ion Ratio Lower Upper

146 100

111 43.7 21.1 63.1

148 63.0 31.8 95.4



Abundance Ion 145.90 (145.60 to 146.60): V

Ion 110.90 (110.60 to 111.60): V

Ion 147.90 (147.60 to 148.60): V

13.66

400000

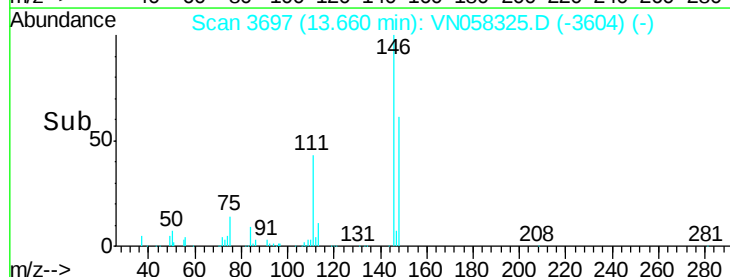
300000

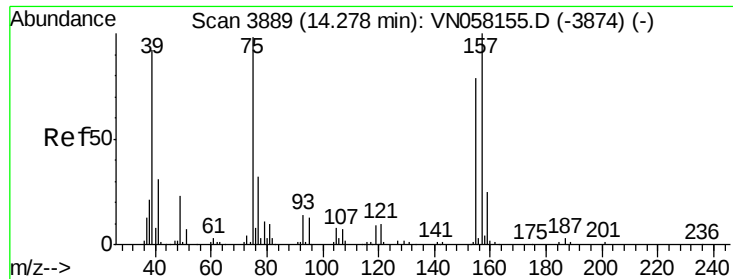
200000

100000

0

Time--> 13.60 13.70





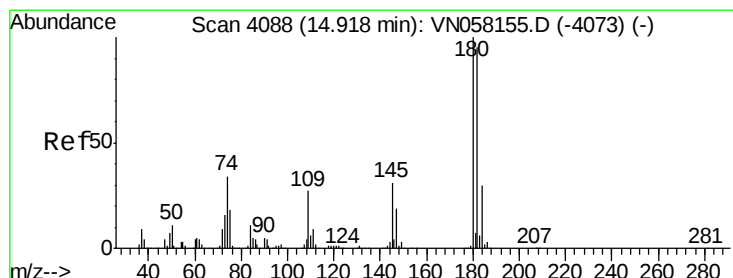
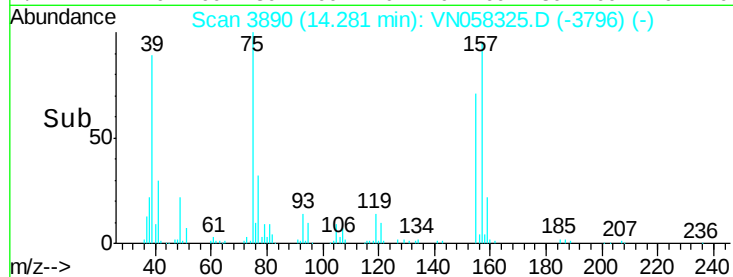
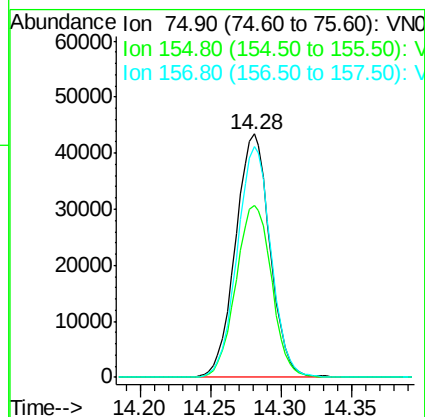
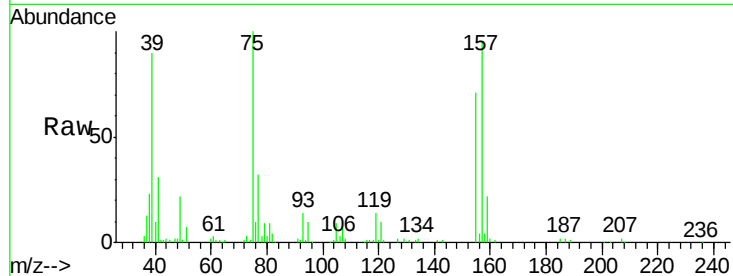
#92
 1,2-Dibromo-3-Chloropropane
 Concen: 59.458 ug/l
 RT: 14.28 min Scan# 3890
 Delta R.T. 0.00 min
 Lab File: VN058325.D
 Acq: 24 Sep 2019 4:05

Instrument :
 MSVOA_N
 ClientSampleId :
 S49-0520MS

Tot Ion	Ratio	Lower	Upper
75	100		
155	73.2	38.3	114.8
157	92.8	48.0	144.0

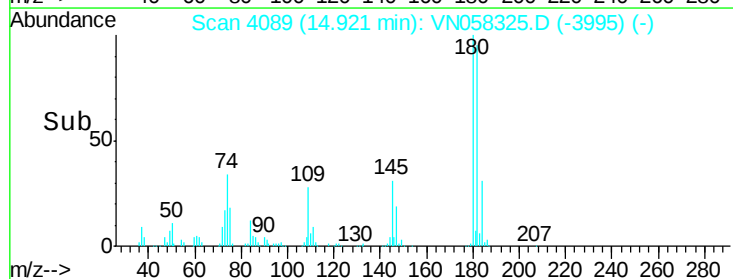
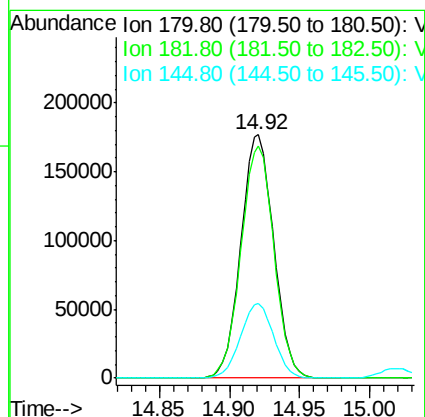
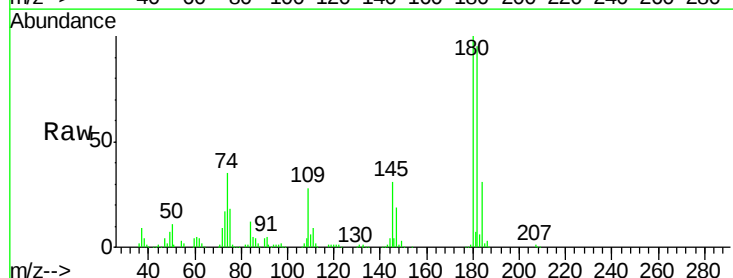
Manual Integrations
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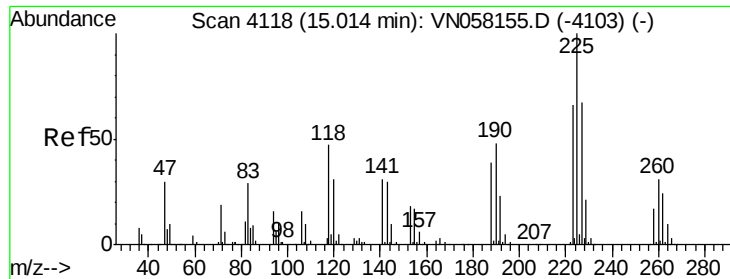
MMDadoda
 9/25/2019 12:49:51 AM



#93
 1,2,4-Trichlorobenzene
 Concen: 47.319 ug/l
 RT: 14.92 min Scan# 4089
 Delta R.T. 0.00 min
 Lab File: VN058325.D
 Acq: 24 Sep 2019 4:05

Tgt Ion	Ratio	Lower	Upper
180	100		
182	95.9	47.8	143.3
145	31.0	15.4	46.4





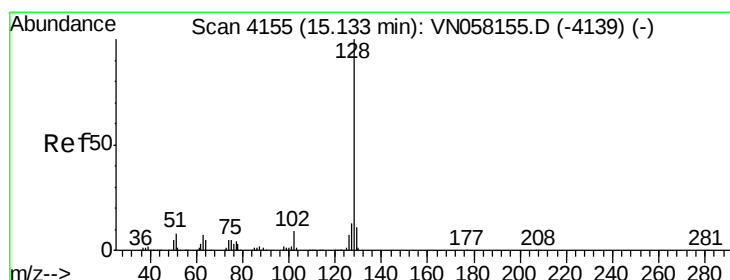
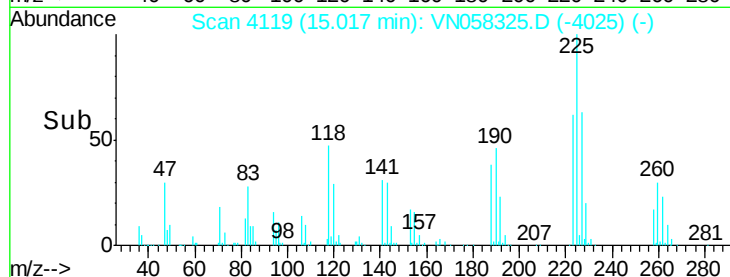
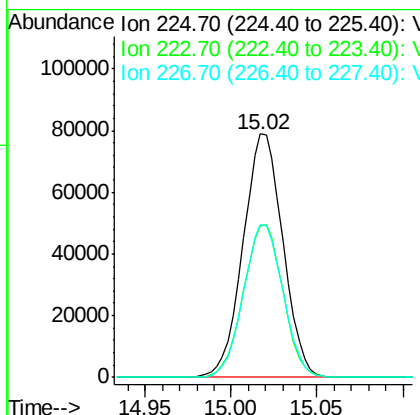
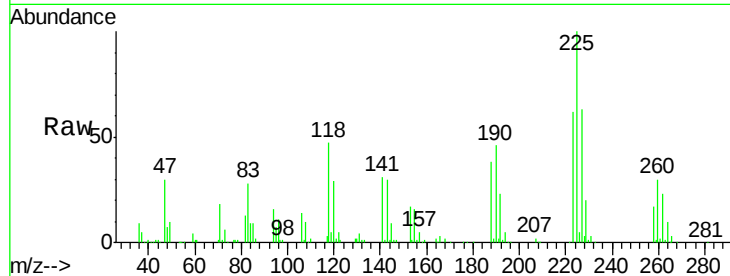
#94
Hexachlorobutadiene
Concen: 42.827 ug/l
RT: 15.02 min Scan# 4119
Delta R.T. 0.00 min
Lab File: VN058325.D
Acq: 24 Sep 2019 4:05

Instrument :
MSVOA_N
ClientSampleId :
S49-0520MS

Tot Ion:	225	Resp:	126432
Ion Ratio		Lower	Upper
225	100		
223	62.5	32.6	97.7
227	62.2	33.0	99.0

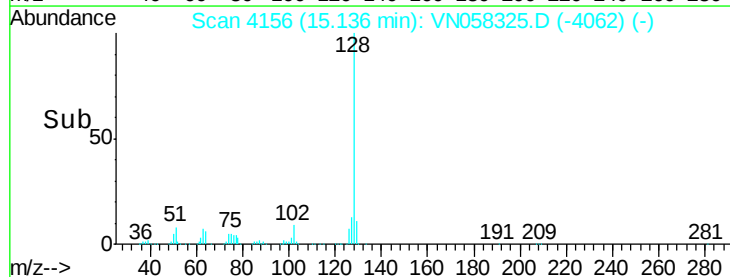
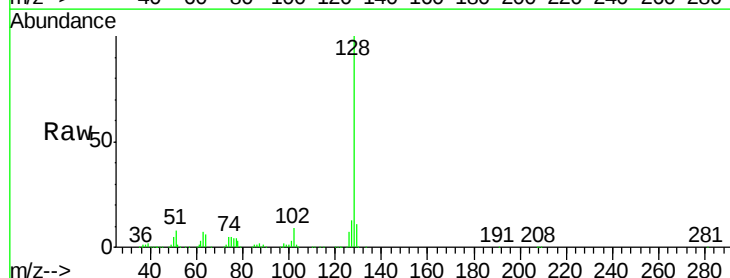
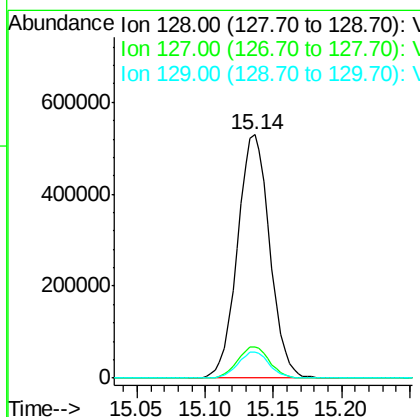
Manual Integrations
APPROVED

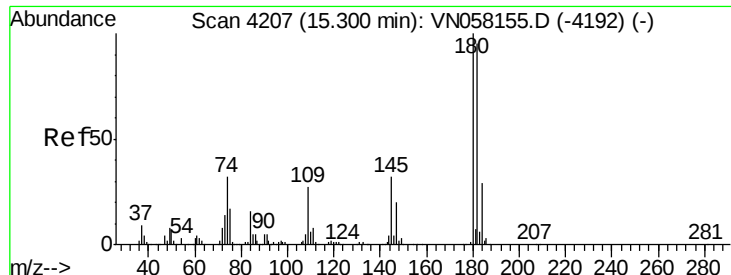
MMDadoda
9/25/2019 12:49:51 AM



#95
Naphthalene
Concen: 54.812 ug/l
RT: 15.14 min Scan# 4156
Delta R.T. 0.00 min
Lab File: VN058325.D
Acq: 24 Sep 2019 4:05

Tgt Ion:	128	Resp:	867637
Ion Ratio		Lower	Upper
128	100		
127	12.8	10.2	15.2
129	10.5	8.6	12.8





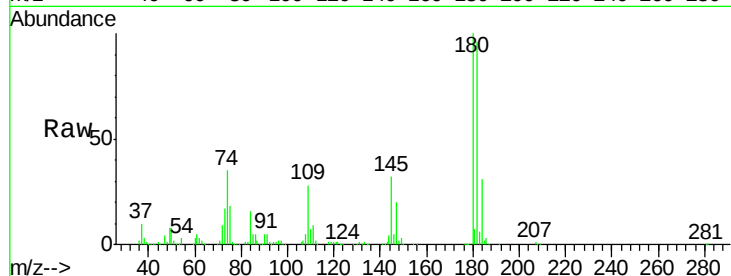
#96
 1,2,3-Trichlorobenzene
 Concen: 49.156 ug/l
 RT: 15.30 min Scan# 4208
 Delta R.T. 0.00 min
 Lab File: VN058325.D
 Acq: 24 Sep 2019 4:05

Instrument :
 MSVOA_N
 ClientSampleId :
 S49-0520MS

Tot Ion	Ratio	Resp Lower	Resp Upper
180	100		
182	96.0	47.4	142.2
145	31.8	16.1	48.2

Manual Integrations
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MMDadoda
 9/25/2019 12:49:51 AM



Abundance Ion 179.80 (179.50 to 180.50): V
 Ion 181.80 (181.50 to 182.50): V
 Ion 144.90 (144.60 to 145.60): V

