LSC Area Percent Report

Data Path : Z:\voasrv\HPCHEM1\MSVOA_D\Data\VD041624\
Data File : VD078822.D
Acq On : 16 Apr 2024 14:32
Operator : RP/MD
Sample : P2123-01
Misc : 4.36G/5ml/MSVOA_D/SOIL/A
ALS Vial : 8 Sample Multiplier: 1

Instrument :
MSVOA_D
ClientSampleId :
RPI-SS-01

Integration Parameters: RTEINT.P
Integrator: RTE
Smoothing : ON Filtering: 5
Sampling : 1 Min Area: 3 % of largest Peak
Start Thrs: 0.2 Max Peaks: 100
Stop Thrs : 0 Peak Location: TOP

If leading or trailing edge < 100 prefer < Baseline drop else tangent >
Peak separation: 5

Method : Z:\voasrv\HPCHEM1\MSVOA_D\Method\82D031424S.M
Title : SW846 8260

Signal : TIC: VD078822.D\data.ms

peak #	R.T. min	first scan	max scan	last scan	PK TY	peak height	corr. area	corr. % max.	% of total
1	1.746	19	27	41	rVB	1174587	1824182	42.93%	7.914%
2	1.893	47	52	63	rVB	517592	668281	15.73%	2.899%
3	2.111	80	89	97	rBV	475724	627999	14.78%	2.724%
4	2.281	109	118	127	rBV	2053244	2927225	68.89%	12.699%
5	2.370	128	133	141	rVB	32243	66381	1.56%	0.288%
6	2.946	221	231	242	rBV	2017612	4249333	100.00%	18.435%
7	3.305	283	292	305	rBV	771825	1678038	39.49%	7.280%
8	4.011	401	412	422	rBV4	28893	93555	2.20%	0.406%
9	4.858	532	556	575	rBV3	129666	649395	15.28%	2.817%
10	5.334	620	637	650	rBV2	87479	297780	7.01%	1.292%
11	5.846	711	724	736	rBV3	119127	359727	8.47%	1.561%
12	6.893	890	902	917	rBV2	149817	453570	10.67%	1.968%
13	7.810	1045	1058	1062	rBV	115273	285672	6.72%	1.239%
14	7.875	1062	1069	1080	rVB	524268	1272237	29.94%	5.519%
15	8.087	1098	1105	1111	rBV2	27083	66471	1.56%	0.288%
16	8.252	1122	1133	1145	rVV3	492382	1238922	29.16%	5.375%
17	8.363	1145	1152	1160	rVV5	19510	50226	1.18%	0.218%
18	8.510	1170	1177	1185	rVB5	22882	51528	1.21%	0.224%
19	8.634	1191	1198	1207	rBV3	23330	48471	1.14%	0.210%
20	8.775	1213	1222	1236	rBV	301300	613007	14.43%	2.659%
21	9.046	1261	1268	1275	rBV3	23574	46706	1.10%	0.203%
22	9.275	1292	1307	1323	rBV	335074	726269	17.09%	3.151%
23	10.269	1468	1476	1482	rBV	489344	872618	20.54%	3.786%
24	10.334	1482	1487	1498	rVV	74583	145125	3.42%	0.630%
25	11.581	1690	1699	1711	rBV	381970	664365	15.63%	2.882%
26	11.681	1711	1716	1722	rVB	48661	81176	1.91%	0.352%
27	11.793	1727	1735	1745	rVB	457310	840852	19.79%	3.648%
28	12.122	1784	1791	1802	rBV	214463	355607	8.37%	1.543%
29	12.575	1859	1868	1877	rVB	268542	454537	10.70%	1.972%
30	12.828	1904	1911	1914	rBV	62551	108199	2.55%	0.469%
31	12.857	1914	1916	1919	rVV	34193	44320	1.04%	0.192%
32	12.904	1919	1924	1932	rVB	140108	223191	5.25%	0.968%
33	13.063	1945	1951	1957	rVB2	28741	43231	1.02%	0.188%
34	13.210	1970	1976	1983	rVB	180098	274312	6.46%	1.190%
35	13.516	2021	2028	2038	rBV2	361681	647937	15.25%	2.811%

LSC Area Percent Report

Data Path : Z:\voasrv\HPCHEM1\MSVOA_D\Data\VD041624\
Data File : VD078822.D
Acq On : 16 Apr 2024 14:32
Operator : RP/MD
Sample : P2123-01
Misc : 4.36G/5ml/MSVOA_D/SOIL/A
ALS Vial : 8 Sample Multiplier: 1

Instrument :
MSVOA_D
ClientSampleId :
RPI-SS-01

Integration Parameters: RTEINT.P
Integrator: RTE
Smoothing : ON Filtering: 5
Sampling : 1 Min Area: 3 % of largest Peak
Start Thrs: 0.2 Max Peaks: 100
Stop Thrs : 0 Peak Location: TOP

If leading or trailing edge < 100 prefer < Baseline drop else tangent >
Peak separation: 5

Method : Z:\voasrv\HPCHEM1\MSVOA_D\Method\82D031424S.M
Title : SW846 8260

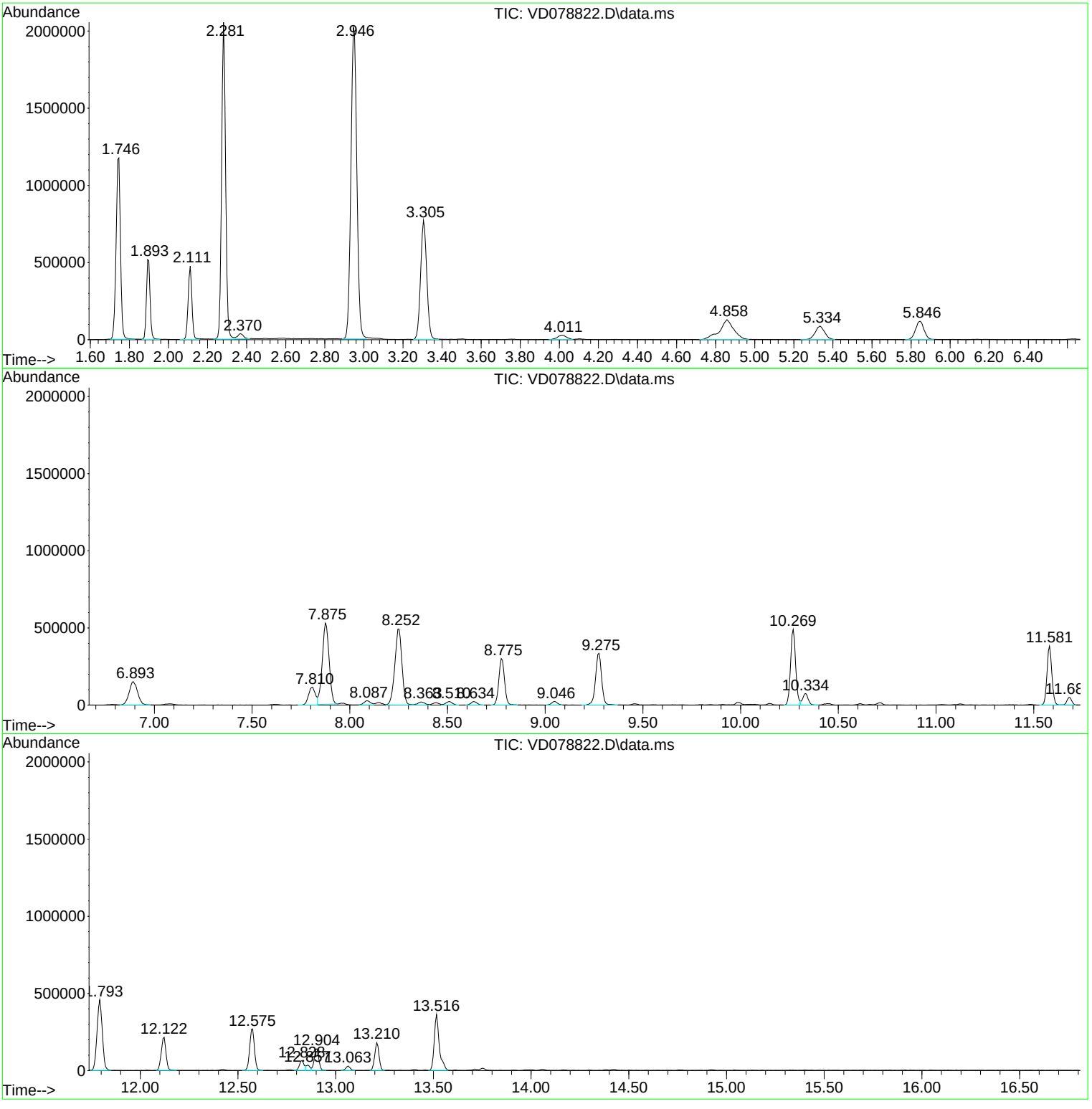
Sum of corrected areas: 23050445

Data Path : Z:\voasrv\HPCHEM1\MSVOA_D\Data\VD041624\
Data File : VD078822.D
Acq On : 16 Apr 2024 14:32
Operator : RP/MD
Sample : P2123-01
Misc : 4.36G/5ml/MSVOA_D/SOIL/A
ALS Vial : 8 Sample Multiplier: 1

Instrument :
MSVOA_D
ClientSampleId :
RPI-SS-01

Quant Method : Z:\voasrv\HPCHEM1\MSVOA_D\Method\82D031424S.M
Quant Title : SW846 8260

TIC Library : C:\Database\NIST20.L
TIC Integration Parameters: LSCINT.P



Data Path : Z:\voasrv\HPCHEM1\MSVOA_D\Data\VD041624\
Data File : VD078822.D
Acq On : 16 Apr 2024 14:32
Operator : RP/MD
Sample : P2123-01
Misc : 4.36G/5ml/MSVOA_D/SOIL/A
ALS Vial : 8 Sample Multiplier: 1

Instrument :
MSVOA_D
ClientSampleId :
RPI-SS-01

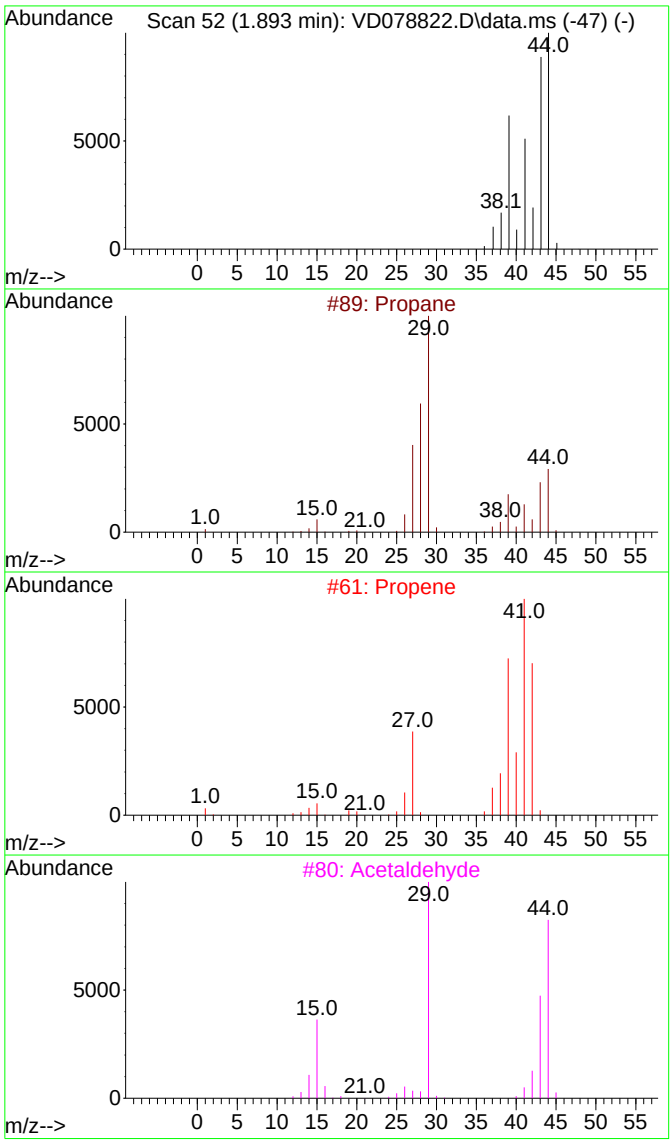
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_D\Method\82D031424S.M
Quant Title : SW846 8260

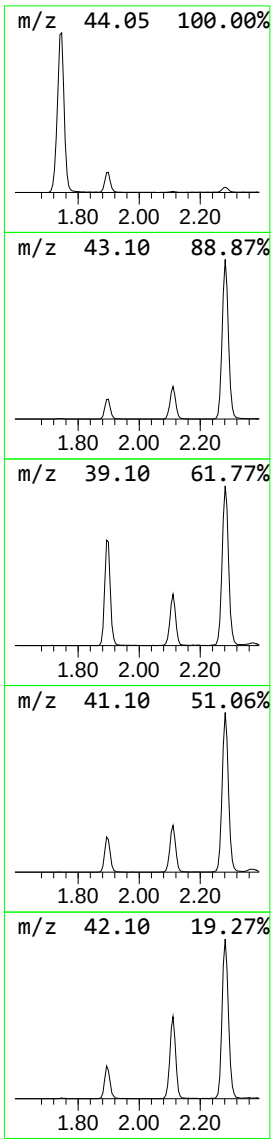
TIC Library : C:\Database\NIST20.L
TIC Integration Parameters: LSCINT.P

****
Peak Number 2 Propane Concentration Rank 5

R.T.	EstConc	Area	Relative to ISTD	R.T.
1.893	26.26 ug/l	668281	Pentafluorobenzene	7.875

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Propane	44	C3H8	000074-98-6	83
2	Propene	42	C3H6	000115-07-1	9
3	Acetaldehyde	44	C2H4O	000075-07-0	5
4	Ethylene oxide	44	C2H4O	000075-21-8	5
5	Hydrogen isocyanate	43	CHNO	000075-13-8	3





Data Path : Z:\voasrv\HPCHEM1\MSVOA_D\Data\VD041624\
Data File : VD078822.D
Acq On : 16 Apr 2024 14:32
Operator : RP/MD
Sample : P2123-01
Misc : 4.36G/5ml/MSVOA_D/SOIL/A
ALS Vial : 8 Sample Multiplier: 1

Instrument :
MSVOA_D
ClientSampleId :
RPI-SS-01

Quant Method : Z:\voasrv\HPCHEM1\MSVOA_D\Method\82D031424S.M
Quant Title : SW846 8260

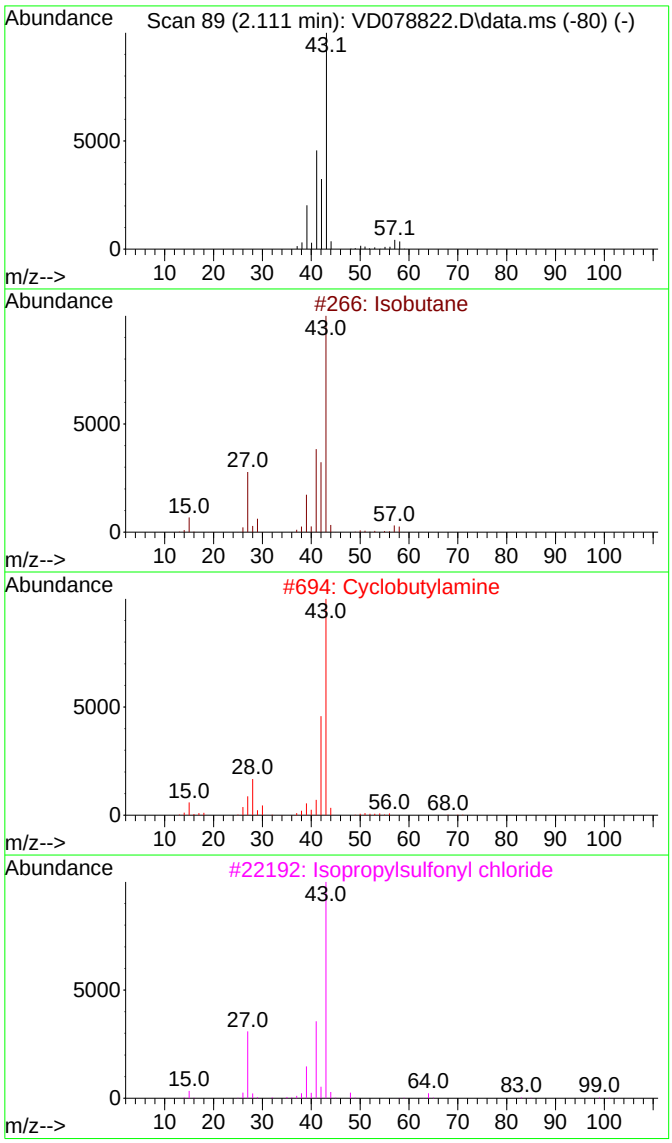
TIC Library : C:\Database\NIST20.L
TIC Integration Parameters: LSCINT.P

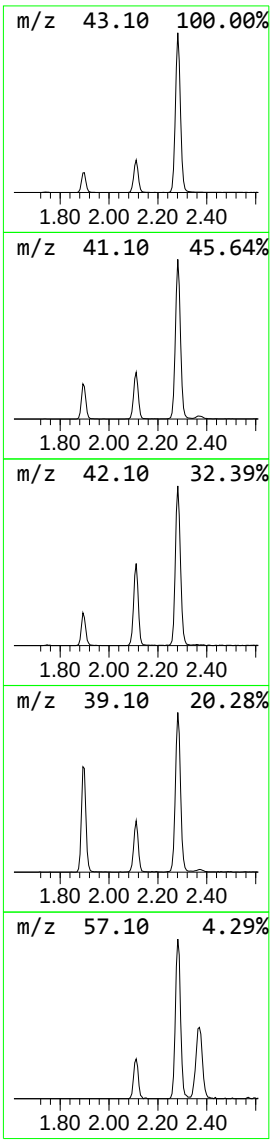
****

Peak Number 3 Isobutane Concentration Rank 7

R.T.	EstConc	Area	Relative to ISTD	R.T.
2.111	24.68 ug/l	627999	Pentafluorobenzene	7.875

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Isobutane	58	C4H10	000075-28-5	86
2	Cyclobutylamine	71	C4H9N	002516-34-9	9
3	Isopropylsulfonyl chloride	142	C3H7ClO2S	010147-37-2	9
4	Hydrogen isocyanate	43	CHNO	000075-13-8	4
5	Butane	58	C4H10	000106-97-8	4





Data Path : Z:\voasrv\HPCHEM1\MSVOA_D\Data\VD041624\
Data File : VD078822.D
Acq On : 16 Apr 2024 14:32
Operator : RP/MD
Sample : P2123-01
Misc : 4.36G/5ml/MSVOA_D/SOIL/A
ALS Vial : 8 Sample Multiplier: 1

Instrument :
MSVOA_D
ClientSampleId :
RPI-SS-01

Quant Method : Z:\voasrv\HPCHEM1\MSVOA_D\Method\82D031424S.M
Quant Title : SW846 8260

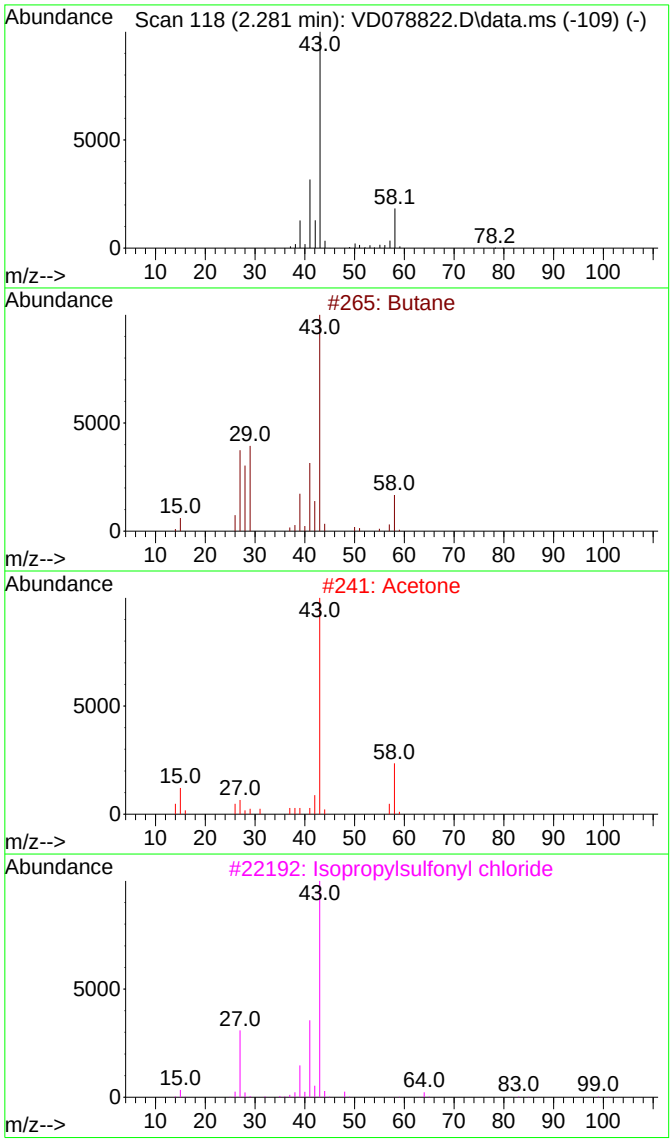
TIC Library : C:\Database\NIST20.L
TIC Integration Parameters: LSCINT.P

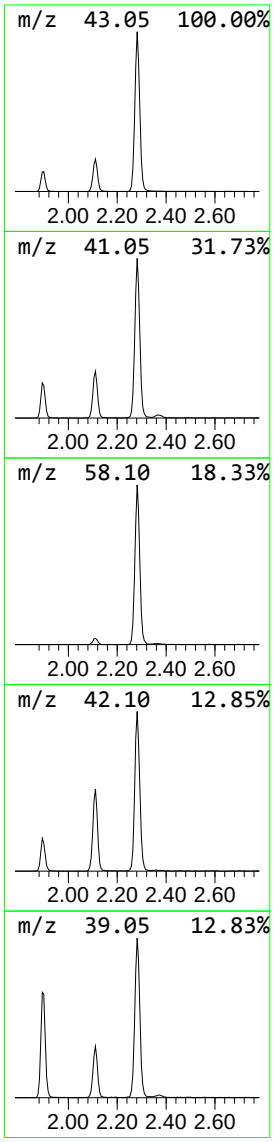
****

Peak Number 4 Butane Concentration Rank 2

R.T.	EstConc	Area	Relative to ISTD	R.T.
2.281	115.04 ug/l	2927230	Pentafluorobenzene	7.875

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Butane	58	C4H10	000106-97-8	80
2	Acetone	58	C3H6O	000067-64-1	50
3	Isopropylsulfonyl chloride	142	C3H7ClO2S	010147-37-2	9
4	Isobutane	58	C4H10	000075-28-5	9
5	Propane, 1-nitro-	89	C3H7NO2	000108-03-2	9





Data Path : Z:\voasrv\HPCHEM1\MSVOA_D\Data\VD041624\
Data File : VD078822.D
Acq On : 16 Apr 2024 14:32
Operator : RP/MD
Sample : P2123-01
Misc : 4.36G/5ml/MSVOA_D/SOIL/A
ALS Vial : 8 Sample Multiplier: 1

Instrument :
MSVOA_D
ClientSampleId :
RPI-SS-01

Quant Method : Z:\voasrv\HPCHEM1\MSVOA_D\Method\82D031424S.M
Quant Title : SW846 8260

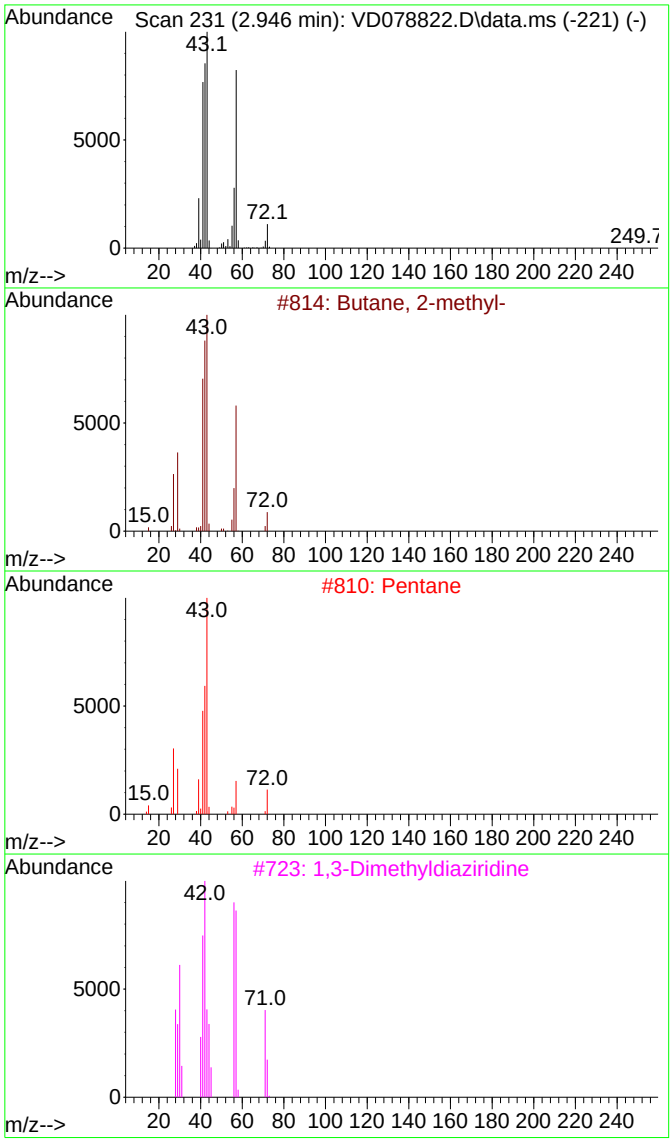
TIC Library : C:\Database\NIST20.L
TIC Integration Parameters: LSCINT.P

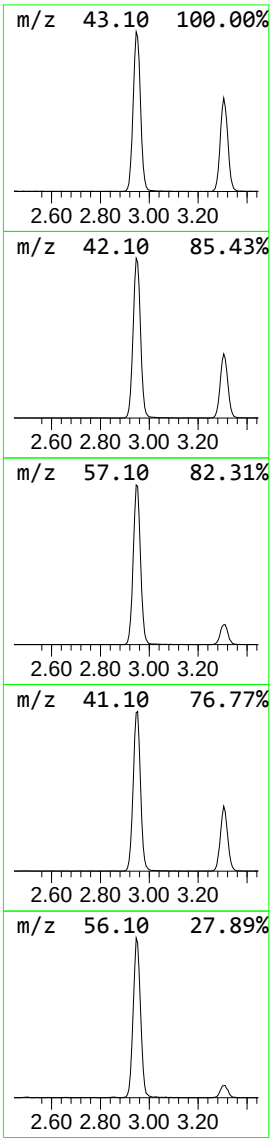
****

Peak Number 5 Butane, 2-methyl- Concentration Rank 1

R.T.	EstConc	Area	Relative to ISTD	R.T.
2.946	167.00 ug/l	4249330	Pentafluorobenzene	7.875

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Butane, 2-methyl-	72	C5H12	000078-78-4	87
2	Pentane	72	C5H12	000109-66-0	42
3	1,3-Dimethyldiaziridine	72	C3H8N2	026177-36-6	36
4	Propane, 2-methyl-2-nitro-	103	C4H9NO2	000594-70-7	14
5	1-Butene	56	C4H8	000106-98-9	10





Data Path : Z:\voasrv\HPCHEM1\MSVOA_D\Data\VD041624\
Data File : VD078822.D
Acq On : 16 Apr 2024 14:32
Operator : RP/MD
Sample : P2123-01
Misc : 4.36G/5ml/MSVOA_D/SOIL/A
ALS Vial : 8 Sample Multiplier: 1

Instrument :
MSVOA_D
ClientSampleId :
RPI-SS-01

Quant Method : Z:\voasrv\HPCHEM1\MSVOA_D\Method\82D031424S.M
Quant Title : SW846 8260

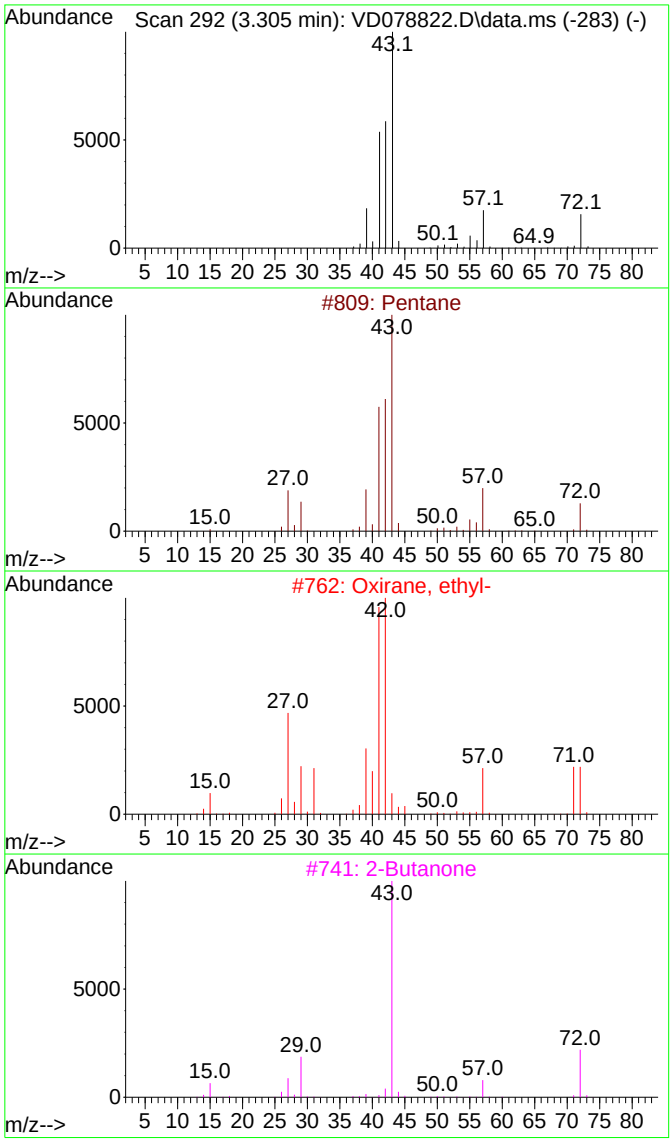
TIC Library : C:\Database\NIST20.L
TIC Integration Parameters: LSCINT.P

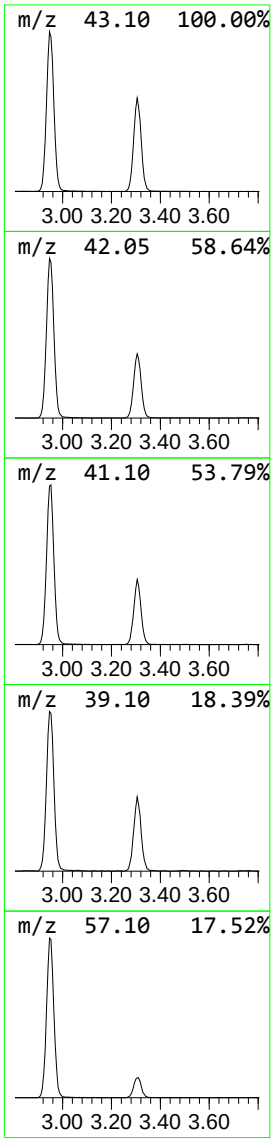
****

Peak Number 6 Pentane Concentration Rank 4

R.T.	EstConc	Area	Relative to ISTD	R.T.
3.305	65.95 ug/l	1678040	Pentafluorobenzene	7.875

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Pentane	72	C5H12	000109-66-0	91
2	Oxirane, ethyl-	72	C4H8O	000106-88-7	50
3	2-Butanone	72	C4H8O	000078-93-3	35
4	Diaziridine,3,3-dimethyl-	72	C3H8N2	004901-76-2	17
5	1-Propene, 2-methoxy-	72	C4H8O	000116-11-0	9





Data Path : Z:\voasrv\HPCHEM1\MSVOA_D\Data\VD041624\
Data File : VD078822.D
Acq On : 16 Apr 2024 14:32
Operator : RP/MD
Sample : P2123-01
Misc : 4.36G/5ml/MSVOA_D/SOIL/A
ALS Vial : 8 Sample Multiplier: 1

Instrument :
MSVOA_D
ClientSampleId :
RPI-SS-01

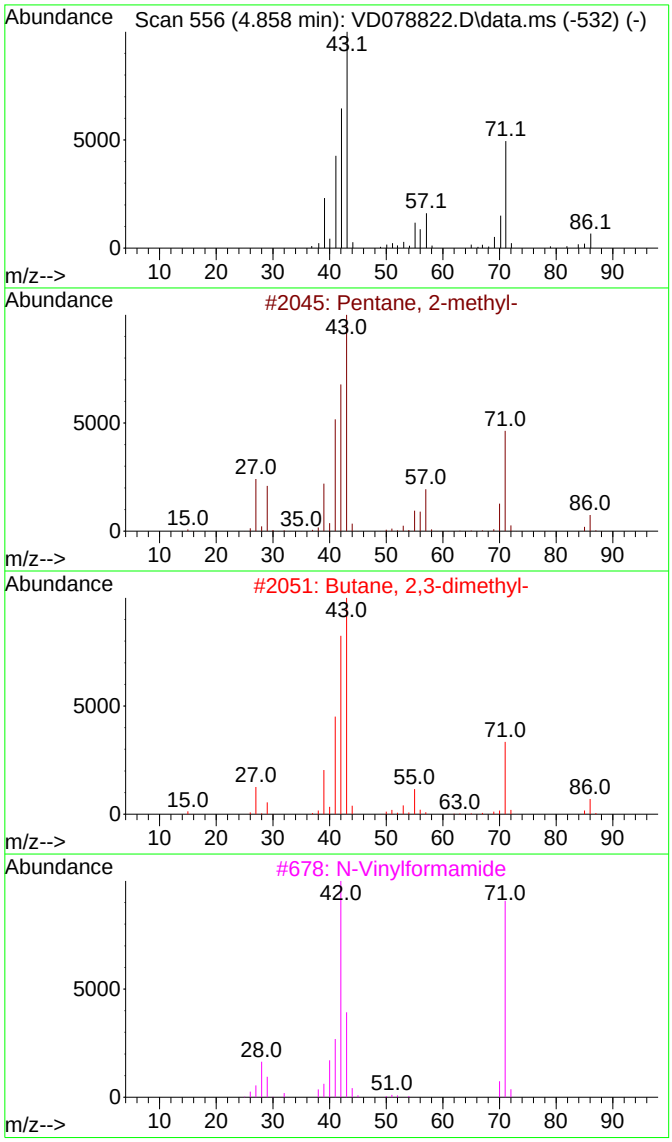
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_D\Method\82D031424S.M
Quant Title : SW846 8260

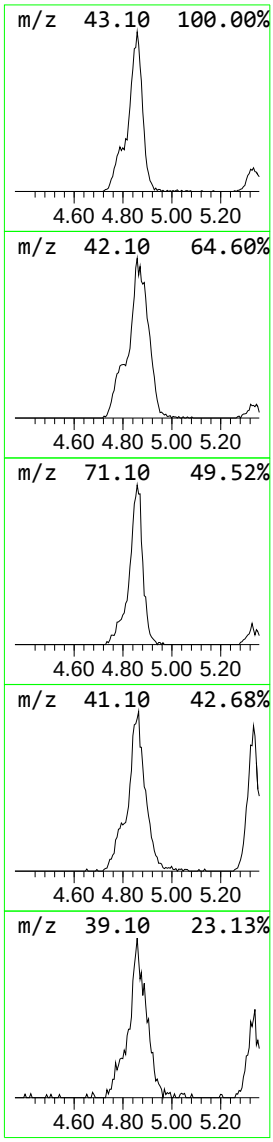
TIC Library : C:\Database\NIST20.L
TIC Integration Parameters: LSCINT.P

****
Peak Number 7 Pentane, 2-methyl- Concentration Rank 6

R.T.	EstConc	Area	Relative to ISTD	R.T.
4.858	25.52 ug/l	649395	Pentafluorobenzene	7.875

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Pentane, 2-methyl-	86	C6H14	000107-83-5	91
2	Butane, 2,3-dimethyl-	86	C6H14	000079-29-8	52
3	N-Vinylformamide	71	C3H5NO	013162-05-5	50
4	Furan, tetrahydro-2-methyl-	86	C5H10O	000096-47-9	47
5	1-Butanol, 2,3-dimethyl-	102	C6H14O	019550-30-2	42





Data Path : Z:\voasrv\HPCHEM1\MSVOA_D\Data\VD041624\
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Operator : RP/MD
Sample : P2123-01
Misc : 4.36G/5ml/MSVOA_D/SOIL/A
ALS Vial : 8 Sample Multiplier: 1

Instrument :
MSVOA_D
ClientSampleId :
RPI-SS-01

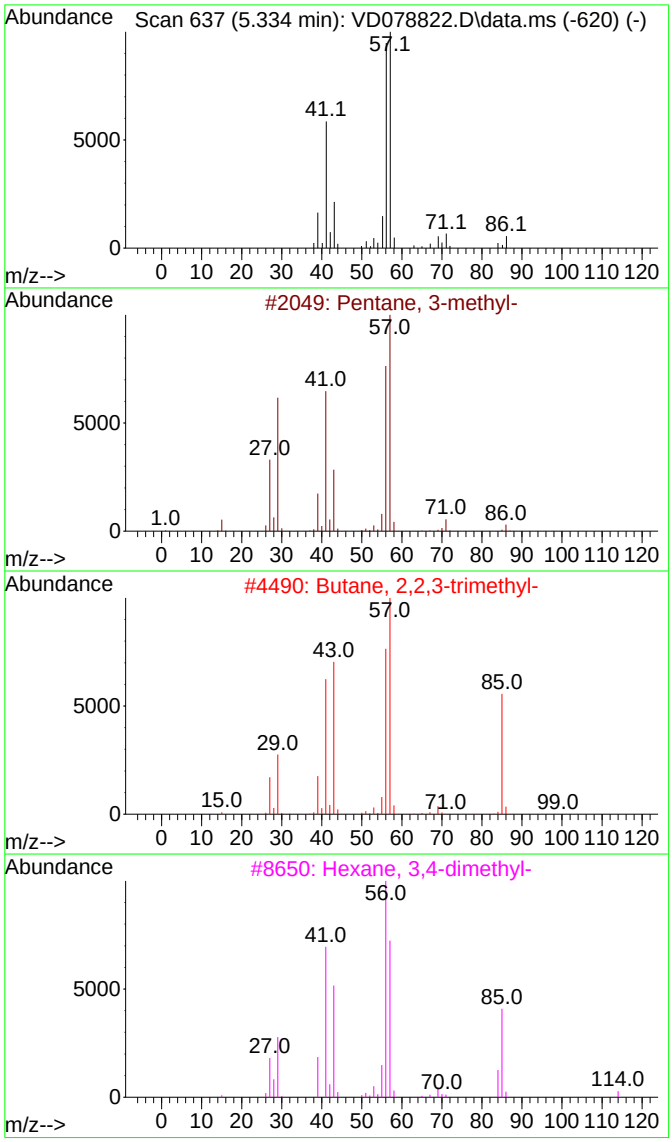
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_D\Method\82D031424S.M
Quant Title : SW846 8260

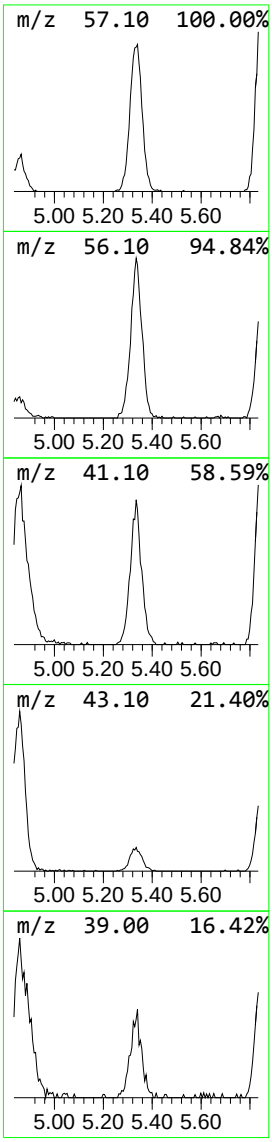
TIC Library : C:\Database\NIST20.L
TIC Integration Parameters: LSCINT.P

****
Peak Number 8 Pentane, 3-methyl- Concentration Rank 10

R.T.	EstConc	Area	Relative to ISTD	R.T.
5.334	11.70 ug/l	297780	Pentafluorobenzene	7.875

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Pentane, 3-methyl-	86	C6H14	000096-14-0	86
2	Butane, 2,2,3-trimethyl-	100	C7H16	000464-06-2	78
3	Hexane, 3,4-dimethyl-	114	C8H18	000583-48-2	56
4	Hexane, 2,2,3-trimethyl-	128	C9H20	016747-25-4	56
5	Pentane, 3-ethyl-2,2-dimethyl-	128	C9H20	016747-32-3	56





Data Path : Z:\voasrv\HPCHEM1\MSVOA_D\Data\VD041624\
Data File : VD078822.D
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Operator : RP/MD
Sample : P2123-01
Misc : 4.36G/5ml/MSVOA_D/SOIL/A
ALS Vial : 8 Sample Multiplier: 1

Instrument :
MSVOA_D
ClientSampleId :
RPI-SS-01

Quant Method : Z:\voasrv\HPCHEM1\MSVOA_D\Method\82D031424S.M
Quant Title : SW846 8260

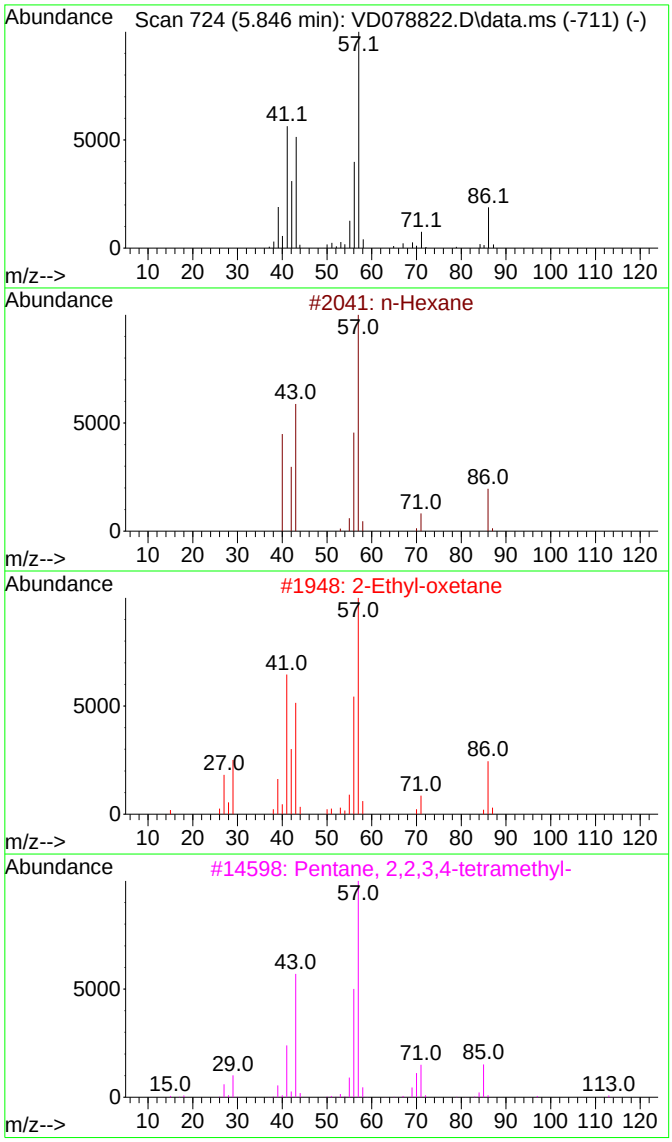
TIC Library : C:\Database\NIST20.L
TIC Integration Parameters: LSCINT.P

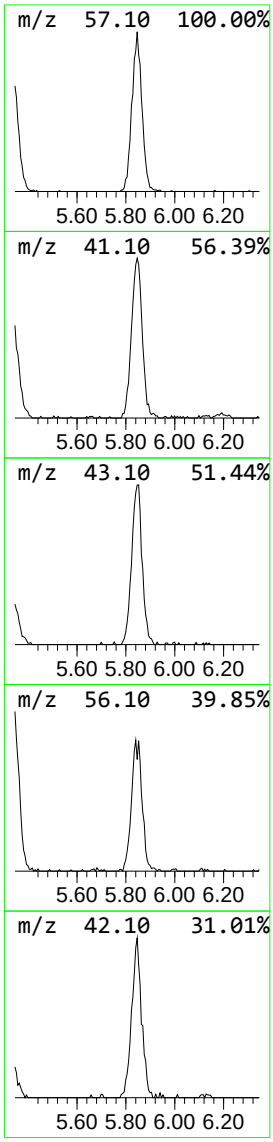
****

Peak Number 9 n-Hexane Concentration Rank 9

R.T.	EstConc	Area	Relative to ISTD	R.T.
5.846	14.14 ug/l	359727	Pentafluorobenzene	7.875

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	n-Hexane	86	C6H14	000110-54-3	90
2	2-Ethyl-oxetane	86	C5H10O	1010386-40-2	87
3	Pentane, 2,2,3,4-tetramethyl-	128	C9H20	001186-53-4	42
4	Pentane, 2,2-dimethyl-	100	C7H16	000590-35-2	42
5	Pentane, 2,4-dimethyl-	100	C7H16	000108-08-7	38





Data Path : Z:\voasrv\HPCHEM1\MSVOA_D\Data\VD041624\
Data File : VD078822.D
Acq On : 16 Apr 2024 14:32
Operator : RP/MD
Sample : P2123-01
Misc : 4.36G/5ml/MSVOA_D/SOIL/A
ALS Vial : 8 Sample Multiplier: 1

Instrument :
MSVOA_D
ClientSampleId :
RPI-SS-01

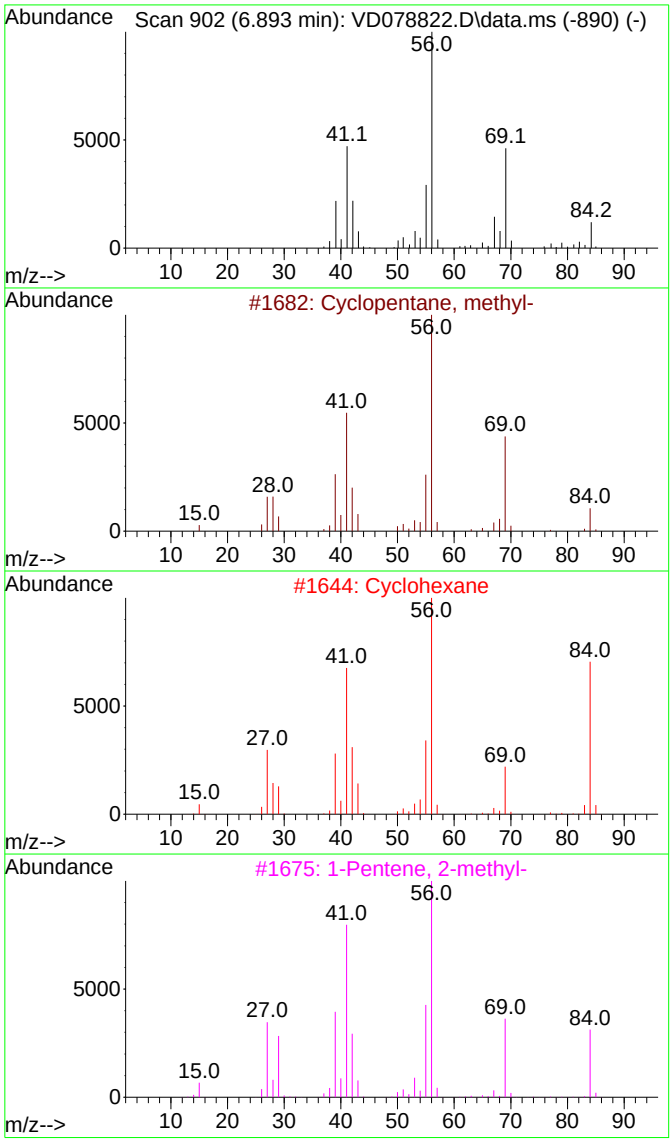
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_D\Method\82D031424S.M
Quant Title : SW846 8260

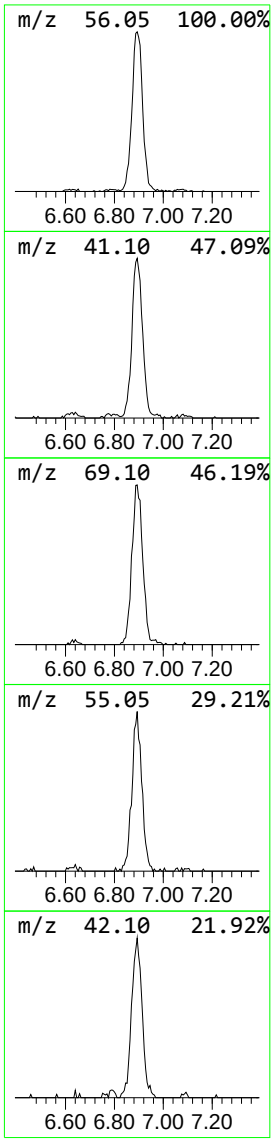
TIC Library : C:\Database\NIST20.L
TIC Integration Parameters: LSCINT.P

****
Peak Number 10 Cyclopentane, methyl- Concentration Rank 8

R.T.	EstConc	Area	Relative to ISTD	R.T.
6.893	17.83 ug/l	453570	Pentafluorobenzene	7.875

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Cyclopentane, methyl-	84	C6H12	000096-37-7	90
2	Cyclohexane	84	C6H12	000110-82-7	80
3	1-Pentene, 2-methyl-	84	C6H12	000763-29-1	74
4	1H-Tetrazole, 5-methyl-	84	C2H4N4	004076-36-2	59
5	Cyclobutane, ethyl-	84	C6H12	004806-61-5	40





Tentatively Identified Compound (LSC) summary

Data Path : Z:\voasrv\HPCHEM1\MSVOA_D\Data\VD041624\
Data File : VD078822.D
Acq On : 16 Apr 2024 14:32
Operator : RP/MD
Sample : P2123-01
Misc : 4.36G/5ml/MSVOA_D/SOIL/A
ALS Vial : 8 Sample Multiplier: 1

Instrument :
MSVOA_D
ClientSampleId :
RPI-SS-01

Quant Method : Z:\voasrv\HPCHEM1\MSVOA_D\Method\82D031424S.M
Quant Title : SW846 8260

TIC Library : C:\Database\NIST20.L
TIC Integration Parameters: LSCINT.P

					--Internal Standard---			
TIC Top Hit name	RT	EstConc	Units	Response	#	RT	Resp	Conc
Propane	1.893	26.3	ug/l	668281	1	7.875	1272240	50.0
Isobutane	2.111	24.7	ug/l	627999	1	7.875	1272240	50.0
Butane	2.281	115.0	ug/l	2927230	1	7.875	1272240	50.0
Butane, 2-methyl-	2.946	167.0	ug/l	4249330	1	7.875	1272240	50.0
Pentane	3.305	66.0	ug/l	1678040	1	7.875	1272240	50.0
Pentane, 2-methyl-	4.858	25.5	ug/l	649395	1	7.875	1272240	50.0
Pentane, 3-methyl-	5.334	11.7	ug/l	297780	1	7.875	1272240	50.0
n-Hexane	5.846	14.1	ug/l	359727	1	7.875	1272240	50.0
Cyclopentane, m...	6.893	17.8	ug/l	453570	1	7.875	1272240	50.0